FIRST EDITION

GOVERNMENT OF MADRAS

DETAILED IRRIGATION BUDGET

FOR THE YEAR

1948-9

(MAJOR HEADS XVII, 17, 18, 19 AND 68)
[DEMANDS VIII AND XXXIII]

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DETAILED IRRIGATION BUDGET

FOR THE YEAR

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DEMAND VIII—IRRIGATION.

ESTIMATE OF THE AMOUNTS REQUIRED FOR EXPENDITURE IN 1948-9.

DEMAND FOR GRANT (VOTED) .. .. Rs. 2,12,86,900

Total of Sums Charged .. .. .. *Rs. 1,08,33,000*

Summary by Major Heads.

HEAD OF ACCOUNT.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
XVII. IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES ..	*12,890*	60,35,249	*8,100*	60,62,700	*6,000*	75,28,400	..	66,40,300
17. IRRIGATION—INTEREST ON WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT	*91,18,043*	..	*99,73,000*	..	*96,35,000*	..	*1,08,33,000*	..
18. IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES ..	*9,042*	81,36,593	*21,000*	63,16,800	*18,300*	1,01,92,100	..	1,40,58,700
19. CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS ..	*134*	50,207	*200*	2,12,700	*300*	5,39,000	..	5,87,900
TOTAL—DEMAND VIII—IRRIGATION.	*91,40,109*	1,42,22,049	*1,00,02,300*	1,25,92,200	*96,59,600*	1,82,59,500	*1,08,33,000*	2,12,86,900
	2,33,62,158		2,25,94,500		2,79,19,100		3,21,19,900	

XVII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES.

Summary by Minor Heads and Sub-heads of appropriation.

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS	RS.
Irrigation Works—Productive Works.								
XVII. a. EXTENSIONS AND IMPROVEMENTS.	..	2,81,300	..	8,35,000	..	6,93,400	..	10,78,000
XVII. b. MAINTENANCE AND REPAIRS ..	..	44,21,959	..	43,43,300	..	55,59,500	..	46,39,500
XVII. c. ESTABLISHMENT—								
A. SPECIAL ESTABLISHMENT.	..	1,318	..	3,000	..	2,300	..	2,300
TOTAL—IRRIGATION WORKS—PRODUCTIVE WORKS ..	..	47,04,577	..	51,81,300	..	62,55,200	..	57,19,800
	47,04,577		51,81,300		62,55,200		57,19,800	
Irrigation Works—Unproductive Works.								
XVII. d. EXTENSIONS AND IMPROVEMENTS ..	..	19,664	..	28,800	..	1,200	..	26,500
XVII. e. MAINTENANCE AND REPAIRS ..	..	5,60,426	..	4,22,400	..	4,15,800		4,16,700
TOTAL—IRRIGATION WORKS—UNPRODUCTIVE WORKS.	..	5,80,090	..	4,51,200	..	4,17,000	..	4,43,200
	5,80,090		4,51,200		4,17,000		4,43,200	
Navigation, Embankment and Drainage Works—Unproductive Works.								
XVII. f. EXTENSIONS AND IMPROVEMENTS.	..	5,506	..	29,000	..	20,200	..	1,17,900
XVII. g. MAINTENANCE AND REPAIRS ..	..	6,04,339	..	5,45,900	..	6,79,900	..	5,19,500
TOTAL—NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE WORKS.	..	6,09,845	.	5,74,900	..	7,00,100		6,37,400
	6,09,845		5,74,900		7,00,100		6,37,400	

XVII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
XVII. PENSION CHARGES—								
IRRIGATION—PRODUCTIVE ..	*10,144*	1,21,207	*7,000*	84,300	*5,200*	1,35,200	..	1,15,700
UNPRODUCTIVE ..	*1,834*	19,383	*600*	7,400	*400*	9,900	..	9,600
NAVIGATION—UNPRODUCTIVE ..	*912*	8,867	*500*	6,300	*400*	11,000	..	8,900
TOTAL—PENSION CHARGES ..	*12,890*	1,49,457	*8,100*	98,000	*6,000*	1,56,100	..	1,34,200
Deduct—CONTRIBUTION FROM THE CENTRAL GOVERNMENT IN FURTHERANCE OF FOOD PRODUCTION CAMPAIGN ..	..	—8,720	..	— 4,700	..	..	..	..
XVII. LUMP DEDUCTION FOR PROBABLE SAVINGS—								
IRRIGATION—PRODUCTIVE	..	...	..	— 2,11,800	..	..	..	-2,70,300
UNPRODUCTIVE ..	..	..	..	— 12,400	..	..	..	— 11,800
NAVIGATION—UNPRODUCTIVE ..	..	..	..	— 13,800	..	..	..	— 12,200
TOTAL—LUMP DEDUCTION ..	..	..	..	-2,38,000	..	..	..	-2,94,300
TOTAL—XVII. WORKING EXPENSES (INCLUDED IN DEMAND VIII. IRRIGATION).	*12,890*	60,35,249	*8,100*	60,62,700	*6,000*	75,28,400	..	66,40,300
	60,48,139		60,70,800		75,34,400		66,40,300	
Add—*Pro rata* CHARGES SHOWN UNDER DEMAND XXV—CIVIL WORKS—ESTABLISHMENT, ETC.								
(*a*) ESTABLISHMENT—								
IRRIGATION—PRODUCTIVE ..	*1,14,758*	13,70,925	*80,100*	9,69,400	*59,300*	15,29,600	..	13,08,800
UNPRODUCTIVE ..	*20,723*	2,19,260	*7,000*	84,600	*4,300*	1,11,700	..	1,08,300
NAVIGATION—UNPRODUCTIVE ..	*10,315*	1,00,312	*6,000*	72,500	*4,800*	1,24,600	..	1,00,500
TOTAL—ESTABLISHMENT ..	*1,45,796*	16,90,497	*93,100*	11,26,500	*68,400*	17,65,900	..	15,17,600

XVII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Add— *Pro rata* CHARGES SHOWN UNDER DEMAND XXV—CIVIL WORKS—ESTABLISHMENT, ETC.—*cont.*								
(*b*) TOOLS AND PLANT—IRRIGATION—								
PRODUCTIVE ..	..	50,216	..	41,900	..	3,52,300	..	34,600
UNPRODUCTIVE ..	..	3,673	..	3,700	..	23,500	..	2,700
NAVIGATION—UNPRODUCTIVE ..	..	72	..	4,700	..	39,400	..	4,000
TOTAL—TOOLS AND PLANT..	..	53,961	..	50,300	..	4,15,200	..	41,300
TOTAL—MAJOR HEAD XVII—IRRIGATION—WORKING EXPENSES.	*1,58,686*	77,79,707	*1,01,200*	72,39,500	*74,400*	97,09,500	..	81,99,200
	79,38,393		73,40,700		97,83,900		81,99,200	
DISTRIBUTION OF THE MAJOR HEAD TOTAL AS BETWEEN PRODUCTIVE AND UNPRODUCTIVE—								
IRRIGATION—PRODUCTIVE ..	*1,24,902*	62,46,925	*87,100*	60,65,100	*64,500*	82,72,300	..	69,08,600
UNPRODUCTIVE ..	*22,557*	8,22,406	*7,600*	5,34,500	*4,700*	5,62,100	..	5,52,000
NAVIGATION—UNPRODUCTIVE ..	*11,227*	7,19,096	*6,500*	6,44,600	*5,200*	8,75,100	..	7,38,600
Deduct—CONTRIBUTION FROM THE CENTRAL GOVERNMENT IN FURTHERANCE OF FOOD PRODUCTION CAMPAIGN ..	..	— 8,720	..	— 4,700	..	..	..	..
TOTAL ..	*1,58,686*	77,79,707	*1,01,200*	72,39,500	*74,400*	97,09,500	..	81,99,200
	79,38,393		73,40,700		97,83,900		81,99,200	

17.—INTEREST ON WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT.

Summary by Minor Heads and Sub-heads of appropriation.

17. a. IRRIGATION WORKS—								
(1) PRODUCTIVE ..	*67,03,100*	..	*68,27,000*	..	*67,96,000*	..	*69,07,000*	..
(2) UNPRODUCTIVE ..	*20,00,438*	..	*27,31,000*	..	*24,18,000*	..	*34,99,000*	..
17. b. NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE ..	*4,14,505*	..	*4,15,000*	..	*4,21,000*	..	*4,27,000*	..
GRAND TOTAL—MAJOR HEAD 17.	*91,18,043*	..	*99,73,000*	..	*96,35,000*	..	*1,08,33,000*	..
	91,18,043		99,73,000		96,35,000		1,08,33,000	

18.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES.

Summary by Minor Heads and Sub-heads of appropriation.

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
IRRIGATION WORKS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
WORKS FOR WHICH NO CAPITAL ACCOUNTS ARE KEPT.								
Public Works Department.								
18. a. WORKS—								
I. ORDINARY AREAS ..	..	1,50,026	..	1,22,300	*1,800*	95,800	..	2,41,100
II. PARTIALLY EXCLUDED AREAS—POST-WAR RECONSTRUCTION ..	..	2,266	..	..	..	400	..	..
TOTAL—18. a. ..	..	1,52,292	..	1,22,300	*1,800*	96,200	..	2,41,100
18. b. EXTENSIONS AND IMPROVEMENTS.	..	2,33,447	..	5,45,700	..	4,97,900	..	8,70,600
18. c. MAINTENANCE AND REPAIRS ..	..	23,00,246	..	22,70,000	..	30,57,300	..	28,49,200
MISCELLANEOUS EXPENDITURE								
18. d. ESTABLISHMENTS—								
A. PAY OF OFFICERS AND ESTABLISHMENTS ..	*4,300*	3,80,654	*17,300*	2,19,500	*10,800*	7,26,200	..	7,57,600
B. OTHER CHARGES ..	*4,742*	2,54,609	*3,700*	65,600	*5,700*	2,89,500	..	2,37,700
TOTAL—18. d. ..	*9,042*	6,35,263	*21,000*	2,85,100	*16,500*	10,15,700	..	9,95,300
18. e. TOOLS AND PLANT.	..	*27,791	..	1,000	..	28,500	..	500
18. f. OTHER CHARGES—								
(i) OTHER PROJECTS ..				50,900	..	1,42,300	..	8,42,200
(ii) IRRIGATION RESEARCH EXPERIMENTS				1,13,700	..	1,28,000	..	1,49,900
(iii) POST-WAR RECONSTRUCTION—PROJECT SURVEYS—RAMAPADASAGAR SCHEME INVESTIGATION.	..	*16,73,507	..	4,00,300	..	18,80,600	..	2,00,200
Deduct—EXPENDITURE IN ENGLAND AND U.S.A. ..				..	..	— 3,82,800	..	— 5,000
(iv) LUMP SUM PROVISION FOR GROW MORE FOOD IRRIGATION SCHEMES ..	..	..	.	..	..	..	..	32,00,000
TOTAL—18. f. ..	..	16,73,507	..	5,64,900	..	17,68,100	..	43,87,300
18. l. GRANTS-IN-AID ..	..	7,850	..	7,500	..	10,000	..	10,000
18. m. SUSPENSE—POST-WAR RECONSTRUCTION.	..	-1,98,704	..	..	..	2,00,000	..	..
18. n. CHARGES IN ENGLAND—								
HIGH COMMISSIONER FOR INDIA—								
POST-WAR RECONSTRUCTION—								
OTHER IRRIGATION EXPENDITURE—RAMAPADASAGAR PROJECT—								
LEAVE SALARIES AND DEPUTATION PAY ..	..	..	..	..	..	66,400	..	15,200
OTHER CHARGES ..	..	..	..	..	..	3,82,800	..	5,000
TOTAL—18. n.	..	..	..	.	..	4,49,200	..	20,200
TOTAL—PUBLIC WORKS DEPARTMENT ..	*9,042*	48,31,692	*21,000*	37,96,500	*18,300*	71,22,900	..	93,74,200

* Includes Rs. 11,54,416 relating to Post-War Reconstruction.

18.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and Sub-heads of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
IRRIGATION WORKS—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Works for which no Capital Accounts are kept—*cont.*								
Minor Irrigation.								
Revenue Department.								
18. g. WORKS—								
A. Ordinary Areas ..	..	18,231	..	20,000	..	50,000	..	20,500
Deduct—Probable Savings.	..	..	..	— 2,000	..	..	..	— 2,000
B. Partially Excluded Areas ..	..	..	..	200	..	200	..	..
*C. Post-War Reconstruction	..	37,415	..	23,800	..	28,600	..	20,000
Deduct—Probable Savings.	..	..	..	— 6,000	..	..	..	— 5,000
Total—18. g. ..	..	55,646	..	36,000	..	78,800	..	33,500
18. h. MAINTENANCE AND REPAIRS—								
A. Ordinary Areas ..	..	10,43,142	..	11,25,000	..	11,25,000	..	31,25,000
B. Partially Excluded Areas	..	7,708	..	10,800	..	8,000	..	15,000
C. Provision for flood repairs	..	2,48,318	..	1,40,100	..	4,29,000	.	1,66,000
Total—18. h. ..	..	12,99,168	..	12,75,900	..	15,62,000	..	33,06,000
18. j. ESTABLISHMENT—								
A. Ordinary Areas—								
1. Pay of Establishments	..	2,14,227	..	1,87,500	..	2,01,600	..	2,13,100
2. Other Charges ..	..	1,66,074	..	1,58,800	..	1,61,300	..	1,66,500
B. Partially Excluded Areas—								
1. Pay of Establishments and Other Charges	..	12,857	..	11,200	..	12,900	..	14,500
C. Post-War Reconstruction—								
1. Pay and Allowances of Establishments ..	..	2,588	..	..	..	4,900	..	..
Total—18. j. ..	..	3,95,746	..	3,57,500	..	3,80,700	..	3,94,100
18. k. TOOLS AND PLANT—								
A. Ordinary Areas ..	..	402	..	800	..	2,000	..	2,000
B. Partially Excluded Areas	..	..	..	100	..	100	..	200
Total—18. k. ..	..	402	..	900	..	2,100	..	2,200
18. l. GRANTS-IN-AID ..	..	1,618	..	1,600	..	1,600	..	1,600
TOTAL—MINOR IRRIGATION	..	17,52,580	..	16,71,900	..	20,25,200	..	37,37,400
TOTAL—IRRIGATION WORKS ..	*9,042*	65,84,272	*21,000*	54,68,400	*18,300*	91,48,100	..	1,31,11,600
	65,93,314		54,89,400		91,66,400		1,31,11,600	

* Estimates of the Director of Resettlement and Employment.

18.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Navigation, Embankment and Drainage Works.								
WORKS FOR WHICH NO CAPITAL ACCOUNTS ARE KEPT.								
Public Works Department.								
18. o. WORKS	..	23,280	..	12,100	..	—21,100	..	14,000
18. p. EXTENSIONS AND IMPROVEMENTS ..	..	69,750	..	69,200	..	74,500	..	1,71,200
18. q. MAINTENANCE AND REPAIRS—								
ORDINARY REPAIRS. }	.. }	14,66,964 }	..	8,05,800	..	8,56,000	..	8,90,600
FLOOD REPAIRS .. }			...	84,500	..	1,31,800	..	14,000
18. r. OTHER CHARGES.	..	2,647	..	2,800	..	2,800	..	3,700
	..	15,62,641	..	9,74,400	..	10,44,000	..	10,93,500
TOTAL—NAVIGATION, ETC., WORKS	15,62,641		9,74,400		10,44,000		10,93,500	
18. *Deduct*—CONTRIBUTION FROM THE CENTRAL GOVERNMENT IN FURTHERANCE OF FOOD PRODUCTION CAMPAIGN.	..	—10,320	..	—27,800	..	..	..	..
18. LUMP DEDUCTION FOR PROBABLE SAVINGS ..	..	..	..	—1,36,600	..	..	..	—1,79,800
18. LUMP ADDITION FOR RE-GRANT OF LAPSES ..	..	..	..	38,400	..	..	..	33,400
TOTAL—18. (INCLUDED IN DEMAND VIII—IRRIGATION) ..	*9,042*	81,36,593	*21,000*	63,16,800	*18,300*	1,01,92,100	..	1,40,58,700
	81,45,635		63,37,800		1,02,10,400		1,40,58,700	
Add— *Pro rata* CHARGES SHOWN UNDER DEMAND XXV —CIVIL WORKS— ESTABLISHMENT, ETC.—								
ESTABLISHMENT ..	*1,20,540*	10,73,117	*40,400*	4,89,100	*32,400*	8,34,900	..	7,88,000
TOOLS AND PLANT ..	..	41,671	..	31,900	..	2,64,500	..	31,200
	1,29,582	92,51,381	*61,400*	68,37,800	*50,700*	1,12,91,500	..	1,48,77,900
GRAND TOTAL—MAJOR HEAD 18 ..	93,80,963		68,99,200		1,13,42,200		1,48,77,900	

19.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS.

Summary by Minor Heads and Sub-heads of appropriation.

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
A. Financed from Ordinary Revenues.								
IRRIGATION WORKS.								
19. A. a. WORKS—								
Productive.								
A. GODAVARI DELTA SYSTEM ..				98,100	..	58,700	..	82,500
B. POLAVARAM ISLAND PROJECT ..				..	..	1,500	..	..
C. KISTNA DELTA SYSTEM ..	..	54,737	..	11,700	..	1,100	..	9,600
D. CHEYYAR ANICUT SYSTEM ..				..	..	70,000	..	3,00,000
E. CAUVERY-METTUR PROJECT ..				9,000	..	7,600	..	1,400
F. *Deduct*—CONTRIBUTION FROM THE CENTRAL GOVT. IN FURTHERANCE OF FOOD PRODUCTION CAMPAIGN	..	— 3,050	..	..	..	..	..	..
TOTAL—19. A. a. WORKS.	..	51,687	..	1,18,800	..	1,38,900	..	3,93,500
19. A. b. WORKS—								
Unproductive.								
A. NAGAVALLI RIVER SYSTEM ..				..	..	7,100	..	..
B. DONDAPAD TANK SYSTEM ..				80,000	..	40,000	..	1,75,000
C. MOPAD RESERVOIR ..	..	11,295	..	..	..	6,900	..	..
D. UDUTHORAHALLA SCHEME ..				..	..	2,500	..	..
E. KURNOOL-CUDDAPAH CANAL SYSTEM ..				3,800	..	5,400	..	..
TOTAL—19. A. b. WORKS.	..	11,295	..	83,800	..	61,900	..	1,75,000

19.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946–7.		Budget Estimate, 1947–8.		Revised Estimate, 1947–8.		Budget Estimate, 1948–9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. Financed from Ordinary Revenues—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
NAVIGATION WORKS.								
Unproductive.								
19. A. c. WORKS—								
BUCKINGHAM CANAL.	..	—13,654	..	..	..	3,29,900	..	..
TOTAL—19. A. c. WORKS.	..	—13,654	..	..	..	3,29,900	..	..
TOTAL—A. WORKS FINANCED FROM ORDINARY REVENUES	..	..	..	2,02,600	..	5,30,700	..	5,68,500
TOTAL—19. WORKS ..	..	49,328	..	2,02,600	..	5,30,700	..	5,68,500
19. PENSION CHARGES ..	*134*	879	*200*	2,400	*300*	8,300	..	8,200
19. LUMP DEDUCTION FOR PROBABLE SAVINGS..	..	..	..	—12,300	..	..	..	—56,900
19. LUMP ADDITION FOR RE-GRANT OF LAPSES ..	..	..	..	20,000	..	..	..	68,100
	134	50,207	*200*	2,12,700	*300*	5,39,000	..	5,87,900
TOTAL—19. (INCLUDED IN DEMAND VIII—IRRIGATION) ..	50,341		2,12,900		5,39,300		5,87,900	
Add—								
Pro rata CHARGES SHOWN UNDER DEMAND XXV—CIVIL WORKS — ESTABLISHMENT, ETC. (FINANCED FROM ORDINARY REVENUES)—								
(*a*) ESTABLISHMENT ..	*1,505*	9,947	*2,300*	27,100	*3,700*	94,300	..	93,200
(*b*) TOOLS AND PLANT ..	..	1,132	..	1,800	..	29,900	..	3,700
	1,639	61,286	*2,500*	2,41,600	*4,000*	6,63,200	..	6,84,800
GRAND TOTAL—MAJOR HEAD 19.	62,925		2,44,100		6,67,200		6,84,800	

XVII—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—PRODUCTIVE WORKS.

a. Extensions and Improvements.

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Amount of Estimate. (3)	Accounts to end of 1946-7. (4)	Budget Estimate, 1947-8. (5)	Revised Estimate, 1947-8. (6)	Budget Estimate, 1948-9. (7)
		RS.	RS.	RS.	RS.	RS.
XVII. a. Extensions and Improvements.	1. Godavari Delta system—Major Works—					
	Godavari Western—					
	(i) Improvements to the Yenamadurru drain from M. 5/2 to 37/3—G.O. No. 2070 I., dated 2nd September 1936.	2,04,000	2,37,754	10,000	1,500	..
	(ii) Remodelling the Achanta channel and its branches—G.Os. No. 853, P.W., dated 5th April 1939 and Ms. No. 5038, P.W., dated 7th January 1943.	8,390	5,547	300	800	1,000
	Godavari Central—					
	(i) Remodelling Pallamkurru Nos. 1 and 2 channels and Kandikuppa channel—G.O. No. 1198, P.W., dated 26th April 1944. (Debit to 68—Rs. 66,021.)	1,28,834	43,867	800	800	..
	(ii) Reconstructing the collapsed arches of the Gannavaram aqueduct with reinforced concrete trough—G.O. No. 44, P.W., dated 5th January 1945.	6,00,000	3,97,897	..	40,000	..
	(iii) Purchase of two launches for use in Dowlaishwaram Circle—G.O. No. 3328, P.W., dated 23rd December 1946.	16,500	7,202	..	9,300	..
	Minor Works	..	..	42,900	28,900	43,900
	2. Kistna Delta system—					
	Major Works—					
	(a) Kistna Eastern—					
	(i) Remodelling the Bhimanadhi channel—G.O. Ms. No. 856, P.W., dated 24th May 1943.	32,000	..	29,600	1,000	8,000
	(ii) Improvements to Enekepad aqueduct at M. 7/6 of Ellore canal—G.O. No. 614, P.W., dated 29th February 1944.	19,300	..	..	— 100	..
	(iii) Providing irrigation facilities to certain lands from the tail end of Komatigunta Channel—G.O. No. 1640, P.W., dated 15th June 1946.	* 13,900	..	1,800	1,800	..
	(b) Kistna Western—Improvements to Bapatla East Swamp—G.O. No. 2691, P.W., dated 23rd September 1944.	35,300	..	..	700	..
	(c) Reconstructing the syphon carrying the Karlapalem channel across the Nallamada drain—G.O. Ms. No. 2691, P.W., dated 23rd September 1944.	86,848	..	70,500	47,500	10,300
	Carried over ..	..	..	1,55,900	1,32,200	63,200

		RS.
* Government share	.. ..	1,863
Zamin share ..	.. ..	12,034
		13,897 or 13,900

XVII—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—PRODUCTIVE WORKS—*cont.*

a. EXTENSIONS AND IMPROVEMENTS—*cont.*

Sub-heads of appropriation.	Detailed account heads.	Figures by detailed account heads.				
		Amount of estimate.	Accounts to end of 1946-7.	Budget Estimate, 1947-8.	Revised Estimate, 1947-8.	Budget Estimate, 1948-9.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		RS.	RS.	RS.	RS.	RS.
XVII. a. EXTENSIONS AND IMPROVEMENTS—*cont.*	2. KISTNA DELTA SYSTEM—*cont.*					
	MAJOR WORKS—*cont.*					
	(a) KISTNA EASTERN—*cont.*					
	Brought Forward ..	..	..	1,55,900	1,32,200	63,200
	(d) IMPROVEMENTS TO DANDIGALAMETTA DRAIN—G.O. No. 2223, P.W., dated 22nd August 1945.	13,900	..	..	100	..
	(e) POST-WAR RECONSTRUCTION—Improvements to Peddalanka drain from the head to the under-tunnel at Garisipudi.	13,80,000	..	3,00,000	2,00,000	4,00,000
	(f) KISTNA WESTERN—REMODELLING THE KOMALI CHANNEL—G.O. No. 2918, P.W., dated 6th November 1946.	17,000	..	..	4,000	10,000
	(g) KISTNA WESTERN—PURCHASE OF PRIESTMAN DREDGER—G.O. No. 2714, P.W., dated 31st July 1942.	21,250	18,276	..	— 600	..
	(h) G.M.F. DIVISION—PROVISION OF IRRIGATION FACILITIES TO MALLAMARTHY LANKA—G.O. No. 1940, P.W., dated 17th July 1946.	16,119	..	..	1,600	1,000
	(j) Construction of six M.S. punts of 36 tons capacity ..	1,38,000	..	..	..	30,000
	MINOR WORKS	..	..	50,800	63,100	60,900
	3. PENNAR RIVER CANALS SYSTEM—MINOR WORKS	..	..	12,000	3,200	10,700
	4. POINEY ANICUT SYSTEM—MINOR WORKS	..	..	..	100	..
	5. CHEYYAR ANICUT SYSTEM—MINOR WORKS	..	..	2,600	1,400	1,800
	6. THADAPALLI CHANNEL—MAJOR WORKS—					
	(i) IMPROVEMENTS TO THE KUGALUR BRANCH CHANNEL ..	..	..	12,900	6,000	6,900
	(ii) REMODELLING THE KUGALUR EXTENSIONS AND EXPERIMENTAL CHANNEL	..	..	14,000	10,000	25,000
	(iii) EXCAVATING A NEW BRANCH CHANNEL, MEVANI DISTRIBUTORY FROM M. 8 F 3½, KUGALUR BRANCH CHANNEL—G.O. No. 718, P.W., dated 14th March 1947.	..	..	30,000	10,000	20,000
	MINOR WORKS	..	..	..	100	..
	7. KALINGAROYAM CHANNEL ..	..	..	..	200	..
	8. TIRUKKOYILUR ANICUT SYSTEM—					
	MAJOR WORKS—PROVISION OF IRRIGATION FACILITIES TO VAKKUR AND KAPPIAMPULIYUR VILLAGES—G.O. No. 1356, P.W., dated 13th May 1946.	30,000	98	30,000	26,300	..
	MINOR WORKS	..	..	4,000	5,100	1,200
	Carried over ..	..	..	6,12,200	4,62,800	6,30,700

XVII—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—PRODUCTIVE WORKS—*cont.*

a. Extensions and Improvements—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Figures by detailed account heads. Amount of Estimate. (3)	Accounts to end of 1946-7. (4)	Budget Estimate, 1947-8. (5)	Revised Estimate, 1947-8. (6)	Budget Estimate, 1948-9. (7)
		RS.	RS.	RS.	RS.	RS.
	Brought forward ..	..	..	6,12,200	4,62,800	6,30,700
XVII. a. Extensions and Improvements—*cont.*	9. Shatiatope Anicut system—					
	South Arcot Division—					
	Major Works—					
	Provision of additional surplussing arrangements to Perumal tank—G.O. No. 1153, P.W., dated 22nd April 1946	78,000	989	70,000	84,000	..
	Minor Works	..	..	2,900	3,800	10,000
	10. Vriddhachalam Anicut system—Minor Works ..	..	..	3,000	100	1,500
	11. Lower Coleroon Anicut system—					
	Major Works—					
	South Arcot Division—					
	(i) Improvements to Karungalur drain CR. 3/44-45—G.O. Ms. No. 1578, P.W., dated 1st June 1944.	A.S.16,700 / T.S.16,000	15,467	..	800	..
	(ii) Shifting the source of supply of Khan Sahib canal and Gavarapet channel.	..	..	10,000	2,000	28,000
	Minor Works	..	..	1,600	1,900	1,800
	12. Cauvery Delta system—					
	Major Works—					
	Vennar Division—					
	(i) Providing irrigation facilities to Vallamperembur and Nagathi villages from Pillai Voikal No. 3 channel in Vennar—G.O. No. 1233, P.W., dated 1st May 1944.	72,450 / T.S. 55,700	2,07,083	..	1,000	..
	(ii) Extension of irrigation under the Cauvery-Kondanar channel of Vennayar river in Prathanaparampuram, etc., villages—G.O. No. 1702, dated 14th June 1944.	53,810 / T.S. 41,370	5,026	..	100	..
	(iii) Improvements to the Valakarai drainage channel, Negapatam Taluk, Tanjore District—G.O. No. 601, P.W., dated 4th March 1946.	17,000	44	11,000	17,300	3,200
	(iv) Providing Improvements to Marakkakorayar—G.O. No. 1296, P.W., dated 20th April 1946.	1,16,500	..	1,00,000	74,500	2,50,000
	(v) Providing drainage improvements to Kilathangiar—G.O. No. 1296, P.W., dated 20th April 1946.	77,000	..	50,000	37,200	1,50,000
	Carried over ..	..	..	8,60,700	6,85,500	10,75,200

A.S. = Administrative Sanction. T.S. = Technical Sanction.

XVII—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—PRODUCTIVE WORKS—*cont.*

a. EXTENSIONS AND IMPROVEMENTS—*cont.*

Sub-heads of appropriation.	Detailed account heads.	Amount of Estimate.	Accounts to end of 1946-7.	Budget Estimate, 1947-8.	Revised Estimate, 1947-8.	Budget Estimate, 1948-9.
		Figures by detailed account heads.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)
XVII. a. EXTENSIONS AND IMPROVEMENTS—*cont.*	12. CAUVERY DELTA SYSTEM—*cont.* MAJOR WORKS—*cont.* VENNAR DIVISION—*cont.*	RS.	RS.	RS	RS.	RS.
	Brought forward ..	..	..	8,60,700	6,85,500	10,75,200
	(vi) PROVIDING DIRECT SOURCE OF SUPPLY TO KALUMANGALAM LANDS.	R.E. 8,760	8,871	2,500	3,000	500
	(viii) DRAINAGEIMPROVEMENTS TO THE VALAVANAR CHANNEL IN THE TANJORE DISTRICT BY SEPARATING IRRIGATION AND DRAINAGE.	14,000	..	..	..	14,000
	CAUVERY DIVISION— (viii) DRAINAGE IMPROVEMENTS TO CAUVERY DELTA IN CAUVERY DIVISION—G.O. No. 1296, P.W., dated 20th April 1946.	18,31,100	23,005	2,00,000	1,61,000	3,14,000
	MINOR WORKS	..	..	35,000	19,200	19,600
	13. PERIYAR SYSTEM— MINOR WORKS	..	..	9,200	3,308	3,045
	14. SRIVAIKUNTAM ANICUT SYSTEM—MINOR WORKS ..	..	..	..	..	100
	15. KATTALAI SCHEME— MAJOR WORK— (i) FIXING FALLING SHUTTERS TO KATTALAI BED REGULATOR —G.O. No. 2834, P.W., dated 17th September 1947.	..	..	..	30,000	1,49,500
	(ii) RE-ALIGNING THE UYYACONDAN EXTENSION CHANNEL IN THE HEAD REACH.	66,000	..	..	..	20,000
	MINOR WORKS	..	..	3,500	1,500	3,500
	16. POLAVARAM ISLAND PROJECT— MINOR WORKS	..	..	3,400	3,400	700
	17. CAUVERY-METTUR PROJECT— GRAND ANICUT CANAL— MINOR WORKS	..	..	21,300	19,900	14,800
	18. KISTNA EAST BANK CANAL SCHEME— MINOR WORKS	..	..	7,900	..	..
	19. NANDIYAR CHANNEL SYSTEM— MINOR WORKS	..	..	5,727	4,755	1,085
	20. CHEMBARAMBAKKAM TANK ..	..	..	100	4,400	..
	21. MARUDUR ANICUT SYSTEM ..	..	..	..	..	100
	22. CHICACOLE MINOR RIVERS SYSTEM— MAJOR WORKS— FORMING FLOOD BANK AND PROVIDING REVETMENTS TO THE LEFT MARGIN OF THE VAMSADHARA RIVER BETWEEN THE HEADS OF LUKULAM AND POLAKI CHANNELS—G.Os. Ms. No. 5519, P.W.D., dated 14th April 1943 and No. 5594, P.W.D., dated 16th April 1943.	25,500	..	..	13,000	17,000
	TOTAL ..	..	..	11,49,327	9,48,963	16,33,130
	Deduct—OLD MAINTENANCE CHARGES	..	..	—3,14,327	—2,55,563	—5,55,130
GRAND TOTAL—XVII. a. IRRIGATION WORKS—PRODUCTIVE WORKS—EXTENSIONS AND IMPROVEMENTS—VOTED ..		..	..	8,35,000	6,93,400	10,78,000

R.E. = Revised Estimate.

XVII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—PRODUCTIVE WORKS—*cont.*

b. Maintenance and Repairs.

Sub-heads of appropriation. (1)	Detailed account heads. (2)		Figures by detailed account heads. Accounts, 1946-7. (3)	Budget Estimate, 1947-8. (4)	Revised Estimate, 1947-8. (5)	Budget Estimate, 1948-9. (6)
			RS.	RS.	RS.	RS.
XVII. b. Maintenance and Repairs.	Maintenance and Repairs.					
	1. Godavari Delta system ..	O.R.	..	12,37,900	15,20,000	14,26,600
		F.R.	..	1,000	3,000	300
	2. Kistna Delta system	O.R.	..	12,95,500	14,77,300	14,98,300
		F.R.	..	6,400	57,400	13,500
	3. Pennar River Canals system ..	O.R.	..	1,50,000	1,50,000	1,50,000
		F.R.	..	18,600	7,90,000	71,000
	4. Cumbum tank	O.R.	..	2,900	2,900	2,900
	5. Chembarambakkam tank ..	O.R.	..	9,500	36,000	20,000
		F.R.	..	..	3,510	..
	6. Poiney Anicut system ..	O.R.	..	40,000	27,000	20,000
		F.R.	..	..	27,600	1,000
	7. Cheyyar Anicut system ..	O.R.	..	44,200	44,200	25,500
		F.R.	..	..	25,200	17,000
	8. Thadapalli channel	O.R.	..	21,700	31,700	24,000
	9. Arkenkota channel	O.R.	..	8,000	8,000	8,000
	10. Kalingarayan channel ..	O.R.	..	20,000	14,200	23,000
	11. Tirukkoyilur Anicut system ..	O.R.	..	22,800	25,000	25,000
		F.R.	..	10,000	10,000	..
	12. Shatiatope Anicut system ..	O.R.	..	25,000	30,000	30,000
		F.R.	..	1,000	5,000	..
	13. Mehmathur Anicut system ..	O.R.	..	6,600	6,700	7,000
		F.R.	..	..	20,300	..
	14. Vriddhachalam Anicut system	O.R.	..	6,278	8,557	8,582
		F.R.	..	..	6,600	..
	15. Lower Coleroon Anicut system	O.R.	..	1,53,500	1,76,000	1,62,000
		F.R.	..	..	2,500	..
	16. Cauvery Delta system ..	O.R.	..	9,92,800	11,27,300	10,59,100
	17. Nandiyar Channel system ..	O.R.	..	11,500	11,500	11,500
	18. Periyar system	O.R.	..	2,28,000	1,54,300	2,03,500
		F.R.	..	..	11,500	50,000
	19. Srivaikuntam Anicut system ..	O.R.	..	52,000	40,000	47,000
		F.R.	..	..	2,600	2,300
	20. Marudur Anicut system ..	O.R.	..	15,000	15,000	18,000
		F.R.	..	..	6,300	..
	21. Kattalai scheme	O.R.	..	73,300	1,00,200	80,000
	22. Polavaram Island Project ..	O.R.	..	44,800	45,200	38,200
	23. Cauvery-Mettur Project ..	O.R.	..	3,40,600	4,27,700	4,31,200
	24. Chicacole Minor Rivers System.	O.R.	..	..	52,700	59,700
	25. Kistna East Bank Canal Extension Scheme.	O.R.	..	2,06,100	..	..
	Total ..		..	50,44,978	65,02,967	55,34,782
	Deduct—Old Maintenance Charges.		..	—7,01,678	—9,43,467	— 8,95,282
Grand Total—XVII. b. Irrigation Works—Productive Works—Maintenance and Repairs—Voted			44,21,959	43,43,300	55,59,500	46,39,500

F.R. = Flood Repairs. O.R. = Other Repairs.

XVII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—PRODUCTIVE WORKS—*cont.*

c. Establishment.

Sub-heads of appropriation.	Strength.		Details.	Figures by detailed account heads.			
	1947-8.	1948-9.		Accounts, 1946-7.	Budget Estimate, 1947-8.	Revised Estimate, 1947-8.	Budget Estimate, 1948-9.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Voted—	RS.	RS.	RS.	RS.
c. A. Special Establishment.			Kistna anicut—				
	2	1	Driver for shutter-lifting machines, 1 (50—70).	..	1,800	1,100	1,100
			Godavari anicut—				
	2	2	Driver for shutter-lifting machines 1 (45—60); Assistant Driver 1 (20—35).	..	1,200	1,200	1,200
			Total—c. A.—Voted ..	1,318	3,000	2,300	2,300
GRAND TOTAL—XVII. c. ESTABLISHMENT —VOTED ..				1,318	3,000	2,300	2,300

XVII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—UNPRODUCTIVE WORKS.

d. Extensions and Improvements.

Sub-heads of appropriation.	Detailed account heads.	Figures by detailed account heads.				
		Amount of Estimate.	Accounts to end of 1946-7.	Budget Estimate, 1947-8.	Revised Estimate, 1947-8.	Budget Estimate, 1948-9.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
XVII. d. Extensions and Improvements.		RS.	RS.	RS.	RS.	RS.
	1. Nagavalli River System—Minor Works	..	..	2,500	1,300	100
	2. Muniyeru System—Minor Works	..	..	1,300	700	..
	3. Kurnool-Cuddapah canal—Minor Works	..	..	513	684	200
	4. Palar Anicut System—Minor Works	..	..	8,500	700	9,000
	5. Toludur Project—Minor Works	..	..	2,300	100	4,984
	6. Markapur Tank	..	..	..	300	..
	*7. Chicacole Minor River System—Major Work—Forming flood bank and providing revetments to the left margin of the Vamsadhara river between the heads of Lukulam and Polaki Channels—G.O. Ms. Nos. 5519, P.W., dated 1st April 1943 and 5594, P.W., dated 16th April 1943.	25,500	..	20,000	..	..
	8. Yellanur Tank	..	..	..	300	..
	9. Dondapad Tank	..	..	1,500	1,500	5,000
	10. Duvvaleru Project ..	..	..	..	200	..
	11. Siddapur Tank	..	..	..	100	..
	12. Madras Water-Supply and Irrigation System—Major Works—Providing emergency shutters and raising the piers in front of the automatic shutters in Red-hills Tank (G.O. No. 2981, P.W., dated 13th November 1946).	30,000	..	..	1,500	10,000
	Minor Works	..	..	..	100	..
	13. Barur Tank	..	..	..	..	3,500
	Total ..	..	..	36,613	7,484	32,784
	Deduct—Old Maintenance Charges	..	..	— 7,813	— 6,284	— 6,284
GRAND TOTAL—XVII. d. IRRIGATION WORKS—UNPRODUCTIVE WORKS—EXTENSIONS AND IMPROVEMENTS—VOTED ..		..	..	28,800	1,200	26,500

* Transferred to "Productive."

XVII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—IRRIGATION WORKS—UNPRODUCTIVE WORKS—*cont.*

e. Maintenance and Repairs.

Sub-heads of appropriation. (1)	Detailed account heads. (2)		Figures by detailed account heads. Accounts, 1946-7. (3)	Budget Estimate, 1947-8. (4)	Revised Estimate, 1947-8. (5)	Budget Estimate, 1948-9. (6)
	Maintenance and Repairs.		RS.	RS.	RS.	RS.
XVII. e. Maintenance and Repairs.	1. Nagavalli river system ..	O.R.	..	43,600	35,600	43,600
	2. Muniyeru system	O.R.	..	13,500	10,000	15,200
		F.R.	..	..	17,000	19,000
	3. Bhavanasi tank	O.R.	..	3,100	3,100	3,200
	4. Ponnalur tank	O.R.	..	800	800	800
	5. Hajipuram tank	O.R.	..	500	200	500
	6. Mopad reservoir	O.R.	..	8,000	6,300	8,000
		F.R.	..	2,000	2,000	2,000
	7. Markapur tank	O.R.	..	2,800	3,500	2,700
	8. Siddapur tank	O.R.	..	1,200	1,200	1,200
	9. Venkatapuram tank	O.R.	..	1,500	1,500	1,500
	10. Sagileru system	O.R.	..	5,000	4,200	7,400
	11. Kurnool-Cuddapah canal ..	O.R.	..	96,000	84,000	96,500
		F.R.	..	..	30,000	22,000
	12. Yellanur tank system ..	O.R.	..	500	3,000	1,400
	13. Madras water-supply and irrigation system	O.R.	..	18,000	25,000	20,000
	14. Vallur anicut system ..	O.R.	..	3,000	1,600	3,000
	15. Barur tank	O.R.	..	7,500	5,500	7,500
	16. Kanniyampalayam anicut ..	O.R.	..	800	800	800
	17. Palar anicut system	O.R.	..	1,08,000	70,300	86,600
		F.R.	..	..	35,500	23,000
	18. Pelandorai anicut system ..	O.R.	..	15,000	18,000	18,000
		F.R.	..	1,000	1,700	..
	19. Jangamaheswarapuram tank ..	O.R.	..	300	695	295
	20. Atmakur tank	O.R.	..	700	500	200
	21. Nagavaram anicut and supply channel.	O.R.	..	521	500	500
		F.R.	..	..	5,600	..
	22. Anamasamudram-Beraperu tank.	O.R.	..	700	300	700
	23. Yerur tank	O.R.	..	600	400	400
		F.R.	..	..	13,400	..
	24. Basavannah channel ..	O.R.	..	6,800	6,800	5,700
	25. Dondapad tank	O.R.	..	500	400	400
	26. Chicacole minor rivers system.	O.R.	..	62,400	..	..
	27. Toludur project	O.R.	..	30,000	32,000	32,000
		F.R.	..	..	1,000	..
	28. Tippayapalem project ..	O.R.	..	1,100	2,400	1,500
	29. Duvvaleru project	O.R.	..	1,000	1,400	2,000
	30. Panjapatti Reservoir ..		..	300	800	300
	Total ..		..	4,36,721	4,26,995	4,27,895
	Deduct—Old Maintenance Charges.			— 14,321	— 11,195	— 11,195
GRAND TOTAL—XVII. e. IRRIGATION WORKS—UNPRODUCTIVE WORKS—MAINTENANCE AND REPAIRS—VOTED ..			5,60,426	4,22,400	4,15,800	4,16,700

F.R. = Flood Repairs. O.R. = Other Repairs.

XVII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES—NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—UNPRODUCTIVE WORKS.

Sub-heads of appropriation. (1)	Details. (2)	Accounts, 1946–7. (3)	Budget Estimate, 1947–8. (4)	Revised Estimate, 1947–8. (5)	Budget Estimate, 1948–9. (6)
		RS.	RS.	RS.	RS.
f. Extensions and Improvements.	Major Works—				
	(i) Construction of a second class staff boat for the S.D O., Buckingham Canal Sub-division.	..	..	11,000	..
	(ii) Revetting the slopes of junction canal between Adyar and Cooum locks ..	..	..	..	1,00,000
	Minor Works	5,506	29,000	9,200	17,900
	TOTAL—XVII. f. EXTENSIONS AND IMPROVEMENTS—VOTED	5,506	29,000	20,200	1,17,900
g. Maintenance and Repairs.	1. Buckingham Canal .. O.R.	..	5,29,000	4,73,200	4,94,500
	F.R.	..	8,000	1,96,000	15,000
	2. Vedaranniyam Canal .. O.R.	..	8,900	10,700	10,000
	TOTAL—XVII. g. MAINTENANCE AND REPAIRS—VOTED ..	6,04,339	5,45,900	6,79,900	5,19,500

XVII.—IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT—WORKING EXPENSES.

Establishment.

		RS.	RS.	RS.	RS.
Establishment.	Charges for distribution of water. *Charged* ..		*29,400*	*17,600*	..
	Voted ..		3,55,300	4,55,000	4,72,600
	Establishment on *pro rata* basis. *Charged* ..		*63,700*	*50,800*	..
	Voted ..		7,71,200	13,10,900	10,45,000
	GRAND TOTAL—XVII. ESTABLISHMENT ..		12,19,600	18,34,300	15,17,600
	Charged ..		*93,100*	*68,400*	..
	Voted ..		11,26,500	17,65,900	15,17,600
	Distribution of Total Establishment charges as between Productive and Unproductive—				
	Irrigation—				
	Productive .. .. *Charged* ..		*80,100*	*59,300*	..
	Voted ..		9,69,400	15,29,600	13,08,800
	Unproductive .. *Charged* ..		*7,000*	*4,300*	..
	Voted ..		84,600	1,11,700	1,08,300
	Navigation—				
	Unproductive .. *Charged* ..		*6,000*	*4,800*	..
	Voted ..		72,500	1,24,600	1,00,500
	Total .. *Charged* ..		*93,100*	*68,400*	..
	Voted ..		11,26,500	17,65,900	15,17,600

F.R. = Flood Repairs. O.R. = Other Repairs.

18.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—IRRIGATION WORKS—WORKS FOR WHICH NO CAPITAL ACCOUNTS ARE KEPT.

PUBLIC WORKS DEPARTMENT—a. WORKS.

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump-sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1946-7. (4)	Budget Estimate, 1947–8. (5)	Revised Estimate, 1947–8. (6)	Budget Estimate, 1948–9. (7)
	I. ORDINARY AREAS.	RS.	RS.	RS.	RS.	RS.
18. a. WORKS.	MAJOR WORKS—					
	1. *Nellore.*—Formation of a new tank in Mogalicherla village—G.Os. No. 401, P.W., dated 4th March 1943, and No. 3031, P.W., dated 2nd November 1944.	45,800 R.E. 1,44,000	..	1,000	2,000	10,000
	2. *Nellore.*—Pambaleru Project—G.Os. No. 1052, P.W., dated 14th June 1943, and No. 1994, P.W., dated 13th July 1944.	49,200 R.E. 70,000	..	0,100	300	2,500
	3. *Nellore.*—Constructing a dam across Venkatagiri river below Chennur tank supply channel head sluice—G.O. No. 1473, P.W., dated 25th July 1943.	16,694 T.S. 23,625	..	..	1,000	..
	4. *South Arcot.*—Construction of a protective bund along the foreshore of the French Archivak tank—C.E.I.'s Memorandum No. 2097/28-B-24, dated 22nd December 1932, and G.O. No. 706, P.W. (I.), dated 22nd March 1933.	21,210 W.S. 20,600*	3,595	5,000	1,000	10,000
	5. *Cuddapah.*—Excavating a direct irrigation channel from the right bank of the Pennar to irrigate certain villages in Siddhout taluk—G.Os. Ms. No. 236, P.W., dated 4th February 1943, and No. 458, P.W., dated 19th February 1945.	1,05,000 R.E. 2,34,000 T.S. 2,57,400	2,55,452	..	100	..
	6. *Cuddapah.*—Restoration of Beeraperu cheruvu—G.Os. No. 257, P.W., dated 8th February 1943, and No. 56, P.W., dated 5th January 1945.	89,000 R.E. 3,65,000 R.E. 4,15,000	4,14,188	7,000	2,700	9,000
	7. *Cuddapah.*—Constructing a reservoir across Paleru vagu at Owk (Owk tank improvements)—P.W. Memo. No. 861 I./43-1, dated 1st February 1943, and G.O. No. 1746, P.W., dated 20th June 1944.	4,31,000 T.S. 4,74,100	..	25,000	— 400	..
	8. *Kurnool.*—Chinnatekkur Project—G.Os. No. 236, P.W., dated 4th February 1943, and No. 3269, P.W., dated 28th November 1944.	96,000 R.E. 6,20,000		20,000	— 2,600	..
	9. *Kurnool.*—Construction of a reservoir across the Gargeyapuram vagu, Rudravaram village—G.Os. No. 301, P.W., dated 16th February 1943, and No. 1533, P.W., dated 1st June 1945.	65,500 R.E. 1,65,740	..	6,000	100	..
	10. *Trichinopoly.*—Restoration of the Ponneri tank—G.Os. No. 401, P.W., dated 4th March 1943, and No. 2961, P.W., dated 26th October 1944.	1,30,000 R.E. 6,25,000	12,596	1,000	{ *1,700* 15,100 }	4,000
	11. *Trichinopoly.*—Formation of a tank across the Uppar in Omandur village, Lalgudi taluk—G.Os. No. 1245, P.W., dated 2nd July 1943, and No. 1930, P.W., dated 7th July 1944.	80,000 R.E. 2,64,700	8,097	..	{ *100* 500 }	..
	12. *Bellary Division.*—Restoration of the Mallapanakari tank—G.O. No. 1840, P.W., dated 28th June 1944.	41,000 T.S. 45,000	..	..	13,900	..

R.E. = Revised Estimate. T.S. = Technical Sanction. W.S. = Work Slip.

* French share .. Rs. 8,035.
British share .. „ 12,565.

18.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—IRRIGATION WORKS—WORKS FOR WHICH NO CAPITAL ACCOUNTS ARE KEPT—*cont.*

PUBLIC WORKS DEPARTMENT—a. WORKS—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump-sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1946-7. (4)	Budget Estimate, 1947-8. (5)	Revised Estimate, 1947-8. (6)	Budget Estimate, 1948-9. (7)
18. a. WORKS—*cont.*	I. ORDINARY AREAS—*cont.* MAJOR WORKS—*cont.*	RS.	RS.	RS.	RS.	RS.
	13. *Bellary Division.*—Restoration of the ruined tank in Titakal village—G.Os. No. 1025, P.W., dated 11th June 1943, and No. 57, P.W., dated 6th January 1945.	8,800 R.E. 32,600	..	..	600	..
	14. *Chingleput Division.*—Construction of an anicut across Ninjalmaduvu—G.O. No. 1925, P.W., dated 7th July 1944.	3,71,000 T.S. 5,34,750	4,06,998	..	20,000	..
	15. *Madanapalle Division.*—Excavating a supply channel for providing irrigation facilities to block II in Gangavaram and Vibravaram villages—G.O. No. 1678, P.W., dated 20th June 1945.	19,000 T.S. 20,900	13,485	..	1,000	..
	16. *Tinnevelly Division.*—Restoring the Thalai Anai Dam across the Palayar—G.O. No. 438, P. W., dated 15th February 1945.	2,09,183*	5,501	..	..	26,100
	17. *Nellore Division.*—Excavation of a supply channel from Boggeru Bhimavaram tank, Udayagiri taluk—G.O. No. 2318, P.W., dated 4th September 1945.	66,000	..	50,000	25,000	25,000
	18. *Chingleput Division.*—Construction of a sluice in Poondi Regulator Bund—G.O. No. 2879, P.W., dated 10th November 1945.	12,200	14,128	..	100	..
	19. *South Kanara*—Construction of an Anicut across the Shiriyar river in Kasaragode Taluk.	4,76,000	..	..	..	1,50,000
	TOTAL—MAJOR WORKS. *Charged* ..	..	..	..	*1,800*	..
	VOTED ..	..	..	1,18,100	80,400	2,36,600
	MINOR WORKS— PUBLIC WORKS DEPARTMENT WORKS AND REVENUE DEPARTMENT WORKS IN CHARGE OF PUBLIC WORKS DEPARTMENT.	..	..	4,200	15,400	4,500
	TOTAL—18. a. WORKS—I. ORDINARY AREAS. *Charged* ..	..	..	..	*1,800*	..
	VOTED ..	..	..	1,22,300	95,800	2,41,100
	II. PARTIALLY EXCLUDED AREAS. POST-WAR RECONSTRUCTION.					
18. a. WORKS.	MAJOR WORKS— 1. *Vizagapatam North Division*—Construction of wells in Araku Valley—G.O. No. 2672, Development, dated 9th July 1945.	21,000	9,531	..	400	..
	TOTAL—18. a. WORKS—II. PARTIALLY EXCLUDED AREAS—POST-WAR RECONSTRUCTION—VOTED ..	..	..	..	400	..
GRAND TOTAL—18. a. IRRIGATION WORKS—PUBLIC WORKS DEPARTMENT—WORKS ..		..	..	1,22,300	98,000	2,41,100
Charged ..		..	..	..	*1,800*	..
VOTED ..		..	..	1,22,300	96,200	2,41,100

R.E. = Revised Estimate T.S. = Technical Sanction.

* Sivagiri Estate share Rs. 1,74,278 and Government share Rs. 34,905.

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18.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—IRRIGATION WORKS—WORKS FOR WHICH NO CAPITAL ACCOUNTS ARE KEPT—*cont.*

Public Works Department—b. Extensions and Improvements.

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump-sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Accounts, 1946-7. (3)	Budget Estimate, 1947-8. (4)	Revised Estimate, 1947-8. (5)	Budget Estimate, 1948-9. (6)
		RS.	RS.	RS.	RS.
Extensions and Improvements.	Voted— Public Works Department Works .. Revenue Department Works in charge of Public Works Department	2,33,447	2,23,600	2,36,100	3,09,200
	Old Maintenance Charges	..	3,22,100	2,61,800	5,61,400
Grand Total—18. b. Irrigation Works—Public Works Department—Extensions and Improvements—Voted ..		2,33,447	5,45,700	4,97,900	8,70,600

Public Works Department—c. Maintenance and Repairs.

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Accounts, 1946-7. (3)	Budget Estimate, 1947-8. (4)	Revised Estimate, 1947-8. (5)	Budget Estimate, 1948-9. (6)
Maintenance and Repairs.	Voted— Public Works Department Works— Ordinary Repairs	22,51,358 (Ordinary Repairs and Flood Repairs)	14,18,300	12,93,500	14,09,600
	Flood Repairs		1,18,700	7,66,500	5,24,000
	Tank Restoration Scheme Repairs ..	1,244	13,000	4,600	9,000
	Revival of Tank Restoration Scheme ..	..	..	..	100
	Revenue Department Works in charge of Public Works Department—Ordinary Repairs	47,644	4,000	38,000	..
	Old Maintenance Charges	..	7,16,000	9,54,700	9,06,500
Grand Total—18. c. Irrigation Works—Public Works Department—Maintenance and Repairs—Voted ..		23,00,246	22,70,000	30,57,300	28,49,200

18.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—IRRIGATION WORKS—MISCELLANEOUS EXPENDITURE.

Public Works Department—d. Establishment.

Sub-heads of appropriation. (1)	Strength. 1947-8. (2)	Strength. 1948-9. (3)	Details. (4)	Figures by detailed account heads. Accounts, 1946-7. (5)	Budget Estimate, 1947-8. (6)	Revised Estimate, 1947-8. (7)	Budget Estimate, 1948-9. (8)
				RS.	RS.	RS.	RS.
d. A. Pay of Officers and Establishments.			Total—d. A.—*Charged* ..	*4,300*	*17,300*	*10,800*	..
			Voted ..	3,80,654	2,19,500	7,26,200	7,57,600
d. B. Other Charges.			Total—d. B.—*Charged* ..	*4,742*	*3,700*	*5,700*	..
			Voted ..	2,54,609	65,600	2,89,500	2,37,700
Grand Total—18. d. Irrigation Works—Miscellaneous Expenditure—Public Works Department—Establishment				6,44,305	3,06,100	10,32,200	9,95,300
			Charged ..	*9,042*	*21,000*	*16,500*	..
			Voted ..	6,35,263	2,85,100	10,15,700	9,95,300

18.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—IRRIGATION WORKS.

MINOR IRRIGATION—j. ESTABLISHMENT.

Sub-heads of appropriation.	Strength. 1947-8.	Strength. 1948-9.	Details.	Figures by detailed account heads. Accounts, 1946-7.	Budget Estimate, 1947-8.	Revised Estimate, 1947-8.	Budget Estimate, 1948-9.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			A. ORDINARY AREAS.	RS.	RS.	RS.	RS.
j. A. 1. PAY OF ESTABLISHMENTS.			VOTED— PERMANENT	2,03,062	1,79,900	1,90,300	2,03,000
	140	140	Supervisors 9 (100—5—150—10—230), 5 (125—10/2—175—15/2—190); Overseers 6 (50—2½—100), 6 (50—4/2—90), 114 (70—2—90—3—120).				
	17	17	Clerk-draughtsmen 15 (45—3—60—2—90), 1 (30—55); Maistri 1 (30).				
	151	151	Lascars 12 (12—18), 139 (16½—25).				
	2	2	Amins 1 (18), 1 (21).				
			Leave allowances.				
			TEMPORARY	11,165	7,600	11,300	10,100
			TOTAL—j. A. 1.—VOTED ..	2,14,227	1,87,500	2,01,600	2,13,100
j. A. 2. OTHER CHARGES.			VOTED— TRAVELLING ALLOWANCES ..	5,145	4,800	6,200	5,200
			FIXED TRAVELLING ALLOWANCES ..	70,535	72,000	71,300	72,000
			OTHER COMPENSATORY ALLOWANCE.	425	400	2,700	2,700
			DEARNESS AND COST OF LIVING ALLOWANCES	89,141	79,400	74,600	83,800
			CONTINGENCIES	650	1,900	6,000	2,300
			DEARNESS ALLOWANCE TO MENIALS.	178	300	500	500
			TOTAL—j. A. 2—VOTED ..	1,66,074	1,58,800	1,61,300	1,66,500
			TOTAL—j. A.—ORDINARY AREAS—VOTED ..	3,80,301	3,46,300	3,62,900	3,79,600
			B. PARTIALLY EXCLUDED AREAS.				
j. B. 1. PAY OF ESTABLISHMENTS AND OTHER CHARGES.	7	7	VOTED— PERMANENT .. .. .. Overseers 4 (70—2—80—3—120); Lascars 3 (16½—25); Special pay (unhealthy) 1 (13½), 3 (22½), 3 (2).	4,936	4,100	5,300	6,000
			TEMPORARY	1,774	1,000	1,000	1,300
			OTHER CHARGES— TRAVELLING ALLOWANCES ..	315	300	400	400
			FIXED TRAVELLING ALLOWANCES ..	3,148	3,100	3,100	3,600
			DEARNESS AND COST OF LIVING ALLOWANCES	2,674	2,600	3,000	3,000
			CONTINGENCIES	10	100	100	200
			TOTAL—j. B.—PARTIALLY EXCLUDED AREAS—VOTED	12,857	11,200	12,900	14,500
			C. POST-WAR RECONSTRUCTION.				
j. C. 1. PAY AND ALLOWANCES OF ESTABLISHMENTS.			VOTED— PAY OF ESTABLISHMENTS	1,812	..	3,000	..
			ALLOWANCES	776	..	1,900	..
			TOTAL—j. C. 1.—VOTED ..	2,588	..	4,900	..
			TOTAL—j. C.—POST-WAR RECONSTRUCTION—VOTED ..	2,588	..	4,900	..
GRAND TOTAL—18. j. IRRIGATION WORKS—MINOR IRRIGATION—ESTABLISHMENT—VOTED				3,95,746	3,57,500	3,80,700	3,94,100

18.—IRRIGATION—OTHER REVENUE EXPENDITURE FINANCED FROM ORDINARY REVENUES—NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.

Public Works Department—o. Works.

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump-sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts, 1946-7. (4)	Budget Estimate, 1947-8. (5)	Revised Estimate, 1947-8. (6)	Budget Estimate, 1948-9. (7)
		RS.	RS.	RS.	RS.	RS.
18. o. Works ..	Major Works—					
	1. *Buckingham Canal Division.*—Improvements to West flood bank of North Buckingham canal between M. 5/3 to 10/2—G.O. Ms. No. 1425, P.W., dated 18th May 1944.	2,33,000		..	14,100	..
	2. *Buckingham Canal Division.*—Forming a flood bank from M. 5/3 North Buckingham canal to Kuthiraikothalamnatham—G.O. No. 1425, P.W., dated 18th May 1944.	1,07,500		..	— 35,800	..
	3. *Chingleput Division.*—Constructing a regulator across the Cooum river at its head near Kesavaram—G.O. No. 2383, P.W., dated 23rd August 1944.	2,70,000 T.S. 2,97,000		..	600	..
	Total—Major Works—Voted ..	..		..	— 21,100	..
	Minor Works ..	..		12,100	..	14,000
Grand Total—18. o. Navigation, Embankment and Drainage Works—Works—Voted ..		..		12,100	— 21,100	14,000

19.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—A. FINANCED FROM ORDINARY REVENUES—PRODUCTIVE.

a. Works.

		RS.	RS.	RS.	RS.	RS.
a. A. Godavari Delta System.	Major Works— 1. *Godavari Western Division.*—Remodelling the Achanta channel and its branches—G.Os. No. 859, P.W., dated 5th April 1939, and No. 5038, P.W., dated 7th January 1943 (Debit to XVII. E. & I. Rs. 8,390).	4,300	3,106	1,700	1,700	1,800

T.S. = Technical Sanction.

19.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—A. FINANCED FROM ORDINARY REVENUES—PRODUCTIVE—*cont.*

a. WORKS—*cont.*

SUB-HEADS of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump-sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of Estimate. (3)	Accounts, 1946–7. (4)	Budget Estimate, 1947–8. (5)	Revised Estimate, 1947–8. (6)	Budget Estimate, 1948–9. (7)
a. A. GODAVARI DELTA SYSTEM—*cont.*	MAJOR WORKS—*cont.*	RS.	RS.	RS.	RS.	RS.
	2. Extension of the Vadlur-Tetali channel—G.O. No. 2509, P.W., dated 6th September 1944, and Govt. Memo. No. 4466-D/44-2, dated 21st October 1944.	1,10,500	42,660	21,000	21,000	45,000
	3. *Godavari Central.*—Extension of irrigation to about 874 acres in Komaragiripatnam village, Amalapur taluk—G.O. Ms. No. 947, P.W., dated 2nd April 1946.	85,000	..	70,000	20,000	31,000
		..	..	92,700	42,700	77,800
	MINOR WORKS	..	..	5,400	16,000	4,700
	TOTAL—a. A. GODAVARI DELTA SYSTEM	..	..	98,100	58,700	82,500
a. B. POLAVARAM ISLAND PROJECT.	MINOR WORKS	..	..	..	1,500	..
	TOTAL—a. B. POLAVARAM ISLAND PROJECT ..	..	..	..	1,500	..
a. C. KISTNA DELTA SYSTEM.	MAJOR WORKS—					
	Kistna Eastern Division.—1. Providing irrigation facilities to Chilakalapudi and Kara Agraharam lands—G.O. Ms. No. 1725, P.W., dated 26th June 1945.	† 29,010	..	8,600	..	8,600
		..	..	8,600	..	8,600
	MINOR WORKS	..	..	3,100	1,100	1,000
	TOTAL—a. C. KISTNA DELTA SYSTEM ..	..	..	11,700	1,100	9,600
a. D. CHEYYAR ANICUT SYSTEM.	MAJOR WORKS—					
	1. Construction of an anicut across the Cheyyar river at the head of Uttiramerur tank supply channel—G.O. No. 997, P.W., dated 8th April 1947.	3,50,000 / T.S. 3,85,000	..	..	70,000	3,00,000
	TOTAL—a. D. CHEYYAR ANICUT SYSTEM ..	..	..	..	70,000	3,00,000
a. E. CAUVERY-METTUR PROJECT.	MINOR WORKS	..	..	9,000	7,600	1,400
	TOTAL—a. E. CAUVERY-METTUR PROJECT ..	..	..	9,000	7,600	1,400

T.S. = Technical Sanction.

		RS.
† Contribution	..	20,710
Government share	..	8,300
Total	..	29,010

19.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—A. FINANCED FROM ORDINARY REVENUES—PRODUCTIVE—*cont.*

a. WORKS—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump-sum provision for minor works should be treated as specific appropriations.] (2)	Amount of estimate. (3)	Accounts, 1946-7. (4)	Budget Estimate, 1947-8. (5)	Revised Estimate, 1947-8. (6)	Budget Estimate, 1948-9. (7)
		RS.	RS.	RS.	RS.	RS.
a. F. *Deduct*—CONTRIBUTION FROM CENTRAL GOVERNMENT IN FURTHERANCE OF FOOD PRODUCTION CAMPAIGN.	TOTAL—a. F. ..	..	—3,050	..	..	..
GRAND TOTAL—IRRIGATION WORKS—A. FINANCED FROM ORDINARY REVENUES—PRODUCTIVE—a. WORKS—VOTED ..		..	51,687	1,18,800	1,38,900	3,93,500

19.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—A. FINANCED FROM ORDINARY REVENUES—UNPRODUCTIVE.

b. WORKS.

Sub-heads of appropriation. (1)	Detailed account heads. (2)	Amount of estimate. (3)	Accounts, 1946-7. (4)	Budget Estimate, 1947-8. (5)	Revised Estimate, 1947-8. (6)	Budget Estimate, 1948-9. (7)
		RS.	RS.	RS.	RS.	RS.
b. A. NAGAVALLI RIVER SYSTEM.	MAJOR WORKS—					
	1. *Vizagapatam Division.*—Excavating Kumarigunta distributary—G.O. No. 30-S, dated 22nd April 1942.	19,000	27,219	..	7,100	..
		..	27,219	..	7,100	..
	MINOR WORKS ..	..	..	..	..	..
	TOTAL—b. A. NAGAVALLI RIVER SYSTEM ..	..	..	..	7,100	..
b. B. DONDAPAD TANK SYSTEM.	MAJOR WORKS—					
	1. *Guntur Division.*—Peddakandleru Project.	3,00,000	..	80,000	40,000	1,75,000
	TOTAL—b. B. DONDAPAD TANK SYSTEM	..	..	80,000	40,000	1,75,000
b. C. MOPAD RESERVOIR.	MAJOR WORKS—					
	1. *Nellore Division.*—Constructing an anicut across the Pillaperu river and excavating a leading channel to improve supply to Mopad channel—G.Os. Ms. No. 401, P.W., dated 4th March 1943, and No. 1794, P.W., dated 31st August 1943.	1,10,000	..	..	6,900	..
	TOTAL—b. C. MOPAD RESERVOIR	..	..	..	6,900	..

19.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—A. FINANCED FROM ORDINARY REVENUES—UNPRODUCTIVE—*cont.*

b. WORKS—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump-sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of estimate. (3)	Accounts to end of 1946-7. (4)	Budget Estimate, 1947-8. (5)	Revised Estimate, 1947-8. (6)	Budget Estimate, 1948-9. (7)
		RS.	RS.	RS.	RS.	RS.
b. D. UDUTHORAHALLA SCHEME.	MAJOR WORKS—					
	1. *Salem Division.*—Uduthorahalla Scheme—G.Os. Ms. No. 1235, P.W., dated 1st July 1943, and Ms. No. 2335, P.W., dated 2nd November 1943.	1,61,500	..	..	2,500	..
	TOTAL—b. D. UDUTHORAHALLA SCHEME ..	..	..	..	2,500	..
b.E. KURNOOL-CUDDAPAH CANAL SYSTEM.	*Kurnool Division*—					
	MINOR WORKS	..	..	3,800	5,400	..
	TOTAL—b. E. KURNOOL-CUDDAPAH CANAL SYSTEM	..	..	3,800	5,400	..
GRAND TOTAL—IRRIGATION WORKS—A. FINANCED FROM ORDINARY REVENUES—UNPRODUCTIVE—b. WORKS—VOTED		..	..	83,800	61,900	1,75,000

19.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—NAVIGATION WORKS—A. FINANCED FROM ORDINARY REVENUES—UNPRODUCTIVE.

c. WORKS.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
c. BUCKINGHAM CANAL.	MAJOR WORKS—					
	Buckingham Canal Division—					
	1. Improvements to Madras Wharf at Basin Bridge—G.Os. No. 379, P.W., dated 7th February 1942, and No. 5668, P.W., dated 4th May 1943.	R.E. 1,89,000	1,94,867	..	— 100	..
	2. Provision of a Wharf between Trevelyan Basin and Basin Bridge—G.O. No. 704, P.W., dated 7th March 1942.	T.S. 2,25,000	2,15,083	..	3,30,000	..
	TOTAL—c. BUCKINGHAM CANAL	..	..	..	3,29,900	..
GRAND TOTAL—NAVIGATION WORKS—A. FINANCED FROM ORDINARY REVENUES—UNPRODUCTIVE—c. WORKS—VOTED		..	..	..	3,29,900	..

R.E. = Revised Estimate. T.S. = Technical Sanction.

DEMAND XXXIII—CAPITAL OUTLAY ON IRRIGATION.

ESTIMATE OF THE AMOUNT REQUIRED FOR EXPENDITURE IN 1948–9.

DEMAND FOR GRANT (VOTED) .. Rs. 3,72,98,400

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS.

Summary by Minor Heads and Sub-heads of appropriation.

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
IRRIGATION WORKS—PRODUCTIVE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
68. a. WORKS—								
A. GODAVARI DELTA SYSTEM.	..	..	..	16,42,900	..	19,24,800	..	10,70,700
B. KISTNA DELTA SYSTEM ..	..	..	..	3,88,600	..	21,70,200	..	22,89,600
C. PENNAR RIVER CANALS SYSTEM	..	..	..	..	..	100	..	..
D. CAUVERY DELTA SYSTEM.	..	..	..	69,000	..	80,000	..	3,00,000
E. CAUVERY-METTUR PROJECT	..	..	..	6,76,400	..	5,53,600	..	4,82,500
TOTAL—68. a. WORKS ..	..	10,40,590	..	27,76,900	..	47,28,700	..	41,42,800
68. b. ESTABLISHMENT—								
A. SPECIAL ESTABLISHMENTS—								
1. CAUVERY-METTUR PROJECT	..	63,563	..	56,600	..	1,30,500	..	1,37,900
2. ROMPERU DRAINAGE PROJECT	..	..	..	..	..	73,600	..	1,23,100
3. OTHER WORKS	..	1,898	..	..	..	..	..	6,300
TOTAL—68. b. A. ..	..	65,461	..	56,600	..	2,04,100	..	2,67,300
B. PENSION CHARGES—								
1. CAUVERY-METTUR PROJECT	..	..	..	6,700	..	10,000	..	10,400
2. ROMPERU DRAINAGE PROJECT	..	..	..	..	..	5,800	..	10,700
3. OTHER WORKS	..	..	*2,000*	24,800	*1,400*	37,100	..	17,400
TOTAL—68. b. B. ..	*1,046*	8,780	*2,000*	31,500	*1,400*	52,900	..	38,500
TOTAL—68. b. ..	*1,046*	74,241	*2,000*	88,100	*1,400*	2,57,000	..	3,05,800
68. c. *Deduct*—								
1. RECEIPTS AND RECOVERIES ON CAPITAL ACCOUNT.	..	— 45,312	..	— 4,100	..	— 13,100	..	— 5,800
2. CONTRIBUTION FROM THE CENTRAL GOVERNMENT IN FURTHERANCE OF FOOD PRODUCTION CAMPAIGN ..	..	—4,88,594	..	—2,32,600	..			..
TOTAL—68. c. ..	..	—5,33,906	..	— 2,36,700	..	— 13,100	..	— 5,800
LUMP-SUM PROVISION FOR GROW MORE FOOD SCHEMES.	..	..	..	..	..	..	..	38,00,000
TOTAL—68. IRRIGATION WORKS—PRODUCTIVE.	*1,046*	*5,64,648	*2,000*	26,28,300	*1,400*	49,72,600	..	82,42,800

* Takes into account—Rs. 16,277 on account of "suspense".

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
IRRIGATION WORKS—UNPRODUCTIVE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
POST-WAR RECONSTRUCTION.								
OTHER THAN TUNGABHADRA PROJECT.								
68. e. WORKS—								
A. KISTNA DELTA SYSTEM.*	..	..	..	20,00,000	..	..	..	..
B. LOWER BHAVANI PROJECT.	..	..	..	28,00,000	..	2,00,000	..	30,00,000
C. RALLAPAD PROJECT ..	..	..	..	..	..	..	..	1,00,000
D. RAMAPADASAGAR PROJECT	..	..	..	..	..	..	..	† 100
TOTAL—IRRIGATION WORKS—UNPRODUCTIVE—POST-WAR RECONSTRUCTION—(OTHER THAN TUNGABHADRA PROJECT)	..	..	..	48,00,000	..	2,00,000	..	31,00,100
TUNGABHADRA PROJECT.								
I. HEAD WORKS.								
68. e. WORKS—								
e. A. PRELIMINARIES ..	..	..	..	2,000	..	1,43,800	..	14,000
e. B. LAND (INCLUDING LAND ACQUISITION ESTABLISHMENT)	..	..	..	16,00,000	..	16,01,000	..	25,00,000
e. C. WORKS	..	..	..	13,30,000	..	17,88,600	..	89,32,000
e. G. BRIDGES	..	..	..	2,49,000	..	36,000	..	..
e. K. BUILDINGS	..	..	..	12,15,000	..	17,75,000	..	7,70,000
e. M. PLANTATIONS ..	..	..	..	1,000	..	5,000	..	5,000
e. O. MISCELLANEOUS—COMMUNICATIONS ..	..	..	..	2,16,000	..	3,49,300	..	3,78,000
e. O. MISCELLANEOUS—SANITATION	..	..	..	3,62,000	..	4,59,200	..	4,58,600
e. O. MISCELLANEOUS—OTHER EXPENDITURE ..	..	..	..	7,000	..	21,700	..	31,600
e. P. MAINTENANCE ..	..	..	..	1,000	..	..	..	1,000
e. Q. SPECIAL TOOLS AND PLANT	..	..	..	14,97,000	..	14,83,000	..	17,54,300
TOTAL—68. e.—HEAD WORKS—WORKS	..	..	..	64,80,000	..	76,62,600	..	1,48,44,500
II. POWER CANAL.								
68. e. WORKS—								
e. A. PRELIMINARIES ..	..	..	..	7,600	..	6,000	..	4,000
e. B. LAND	..	..	..	4,00,000	..	70,000	..	2,00,000
e. F. CROSS DRAINAGE WORKS	..	..	..	35,000	..	..	..	1,00,000
e. G. BRIDGES	..	..	..	47,500	..	..	..	50,000
Carried over ..	..	..	..	4,90,100	..	76,000	..	3,54,000

* Transferred to Productive.

† Token provision.

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
IRRIGATION WORKS—UNPRODUCTIVE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
POST-WAR RECONSTRUCTION—*cont.*								
TUNGABHADRA PROJECT —*cont.*								
II. POWER CANAL—*cont.* Brought forward ..	..	..	..	4,90,100	..	76,000	..	3,54,000
68. e. WORKS—								
e. K. BUILDINGS	..	..	..	..	..	..	..	20,000
e. L. EARTH WORK ..	..	..	..	1,50,000	..	70,000	..	5,00,000
e. M. PLANTATIONS ..	..	..	..	1,000	..	..	..	1,000
e. O. MISCELLANEOUS ..	..	..	..	16,000	..	500	..	10,000
e. Q. SPECIAL TOOLS AND PLANT	..	..	..	90,000	..	..	..	70,000
TOTAL—68. e. POWER CANAL.	..	..	..	7,47,100	..	1,46,500	..	9,55,000
III. LOW LEVEL CANAL.								
MAIN CANAL AND BRANCHES.								
68. e. WORKS—								
e. A. PRELIMINARIES ..	..	..	..	13,400	..	16,400	..	21,800
e. B. LAND	..	..	..	7,00,700	..	6,68,100	..	3,05,500
e. D. REGULATORS ..	..	..	..	1,40,000	..	1,000	..	1,38,700
e. F. RIVERS AND HILL TORRENTS	..	..	..	6,20,000	..	5,50,000	..	10,60,000
e. F—1. OTHER CROSS DRAINAGE WORKS ..	..	..	..	10,30,000	..	10,30,000	..	19,43,800
e. G. BRIDGES	..	..	..	3,86,800	..	4,60,500	..	4,60,000
e. H. ESCAPES	..	..	..	..	..	1,000	..	15,800
e. K. BUILDINGS	..	..	..	1,59,300	..	1,25,800	..	73,300
e. L. EARTH WORK ..	..	..	..	20,91,700	..	22,19,200	..	41,86,300
e. M. PLANTATIONS ..	..	..	..	7,400	..	8,800	..	10,300
e. O. MISCELLANEOUS ..	..	..	..	62,000	..	1,45,100	..	2,07,500
e. P. MAINTENANCE ..	..	..	..	13,500	..	6,600	..	9,200
e. Q. SPECIAL TOOLS AND PLANT	..	..	..	17,08,800	..	19,00,000	..	26,94,900
TOTAL—68. e. MAIN CANAL AND BRANCHES	..	..	..	69,33,600	..	71,32,500	..	1,11,27,100
DISTRIBUTARIES—								
e. A. PRELIMINARIES ..	..	..	..	..	..	7,000	..	17,500
TOTAL—68. e. DISTRIBUTARIES.	..	..	..	..	..	7,000	..	17,500
TOTAL—68. e. LOW-LEVEL CANAL	..	..	..	69,33,600	..	71,39,500	..	1,11,44,600

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
IRRIGATION WORKS—UNPRODUCTIVE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
POST-WAR RECONSTRUCTION—*cont.*								
TUNGABHADRA PROJECT — *cont.*								
Deduct—CHARGES IN ENGLAND—COST OF ENGLISH STORES.	..	..	..	—11,12,800	..	— 6,83,400	..	—15,24,600
TOTAL—68. e. WORKS—TUNGABHADRA PROJECT.	..	46,99,498	..	1,30,47,900	..	1,42,65,200	..	2,54,19,500
68. f. ESTABLISHMENT—								
A. SPECIAL ESTABLISHMENTS—								
1. ROMPERU DRAINAGE PROJECT *	..	19,405	..	1,04,900	..	..	..	..
2. TUNGABHADRA PROJECT	65,018	6,10,351	*89,800*	11,26,400	*40,900*	8,73,000	..	11,64,700
3. LOWER BHAVANI PROJECT	..	..	..	..		21,800	..	1,600
TOTAL—68. f. A. ..	65,018	6,29,756	*89,800*	12,31,300	*40,900*	8,94,800	..	11,66,300
B. PENSION CHARGES—								
1. ROMPERU DRAINAGE PROJECT	..	..	..	12,500	..	..	..	..
2. TUNGABHADRA PROJECT	..	..	*10,700*	1,33,900	*3,700*	67,600	..	93,000
3. LOWER BHAVANI PROJECT	..	..	..	..	..	1,500	..	100
TOTAL—68. f. B. ..	5,944	42,207	*10,700*	1,46,400	*3,700*	69,100	..	93,100
TOTAL—68. f. ..	70,962	6,71,963	*1,00,500*	13,77,700	*44,600*	9,63,900	..	12,59,400
68. g. *Deduct*—RECEIPTS AND RECOVERIES ON CAPITAL ACCOUNT—								
(1) GRANTS FROMTHE CENTRAL GOVERNMENT ..	..	— 25,450	..	—38,66,000	..	..	..	..
(2) OTHER ITEMS	..	..	..	..	..	..	..	— 20,100
TOTAL—68. g. ..	..	— 25,450	..	—38,66,000	..	..	..	— 20,100
68. h. TOOLS AND PLANT ..	..	76,712	..	58,200	..	49,900	..	77,300
68. j. SUSPENSE ..	..	—1,42,176	..	3,19,100	..	— 5,96,300	..	5,35,500
68. k. CHARGES IN ENGLAND—								
HIGH COMMISSIONER FOR INDIA—								
(i) LEAVE SALARIES AND DEPUTATION PAY ..	..	3,141	..	..	..	1,400	..	..
(ii) STORES	..	..	..	11,12,800	..	6,83,400	..	15,24,600
(iii) OTHER CHARGES ..	..	148	..	..	..	..	..	..
TOTAL—68. k. ..	..	3,289	..	11,12,800	..	6,84,800	..	15,24,600

* Transferred to "Productive".

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—*cont.*

Summary by Minor Heads and Sub-heads of appropriation—*cont.*

MINOR HEADS and SUB-HEADS of appropriation.	Accounts, 1946-7.		Budget Estimate, 1947-8.		Revised Estimate, 1947-8.		Budget Estimate, 1948-9.	
	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.	Charged.	Voted.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
IRRIGATION WORKS—UNPRODUCTIVE—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
POST-WAR RECONSTRUCTION—*cont.*								
68. 1. LOSS OR GAIN BY EXCHANGE	..	4	..	..	..	1,200	..	..
TOTAL—68. IRRIGATION WORKS—UNPRODUCTIVE—POST-WAR RECONSTRUCTION	*70,962*	52,80,547	*1,00,500*	1,68,49,700	*44,600*	1,55,68,700	..	3,18,96,300
TOTAL—68. IRRIGATION WORKS	*72,008*	58,48,487	*1,02,500*	1,94,78,000	*46,000*	2,05,41,300	..	4,01,39,100
	59,20,495		1,95,80,500		2,05,87,300		4,01,39,100	
68. LUMP DEDUCTION FOR PROBABLE SAVINGS ..	..	..	..	—18,70,800	..	..	..	—33,78,300
68. LUMP ADDITION FOR REGRANT OF LAPSES ..	..	..	..	8,00,000	..	..	..	5,37,600
TOTAL—DEMAND XXXIII—CAPITAL OUTLAY ON IRRIGATION.	..	..	*1,02,500*	1,84,07,200	*46,000*	2,05,41,300	..	3,72,98,400
			1,85,09,700		2,05,87,300		3,72,98,400	
Add—								
Pro rata CHARGES SHOWN UNDER DEMAND XXV—CIVIL WORKS—ESTABLISHMENTS, ETC.—								
(*a*) ESTABLISHMENT—								
PRODUCTIVE ..	*11,823*	* 75,933	*17,200*	2,07,900	*16,300*	4,20,100	..	1,96,700
(*b*) TOOLS AND PLANT—								
PRODUCTIVE ..	..	16,023	..	13,500	..	1,33,100	..	7,800
TOTAL—MAJOR HEAD 68.	*83,831*	59,40,443	*1,19,700*	1,86,28,600	*62,300*	2,10,94,500	..	3,75,02,900
	60,24,274		1,87,48,300		2,11,56,800		3,75,02,900	

* Includes supervision charges—Unproductive.

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE.

a. WORKS.

SUB-HEADS of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump-sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of Estimate. (3)	Accounts to end of 1946–7. (4)	Budget Estimate, 1947–8. (5)	Revised Estimate, 1947–8. (6)	Budget Estimate, 1948–9. (7)
		RS.	RS.	RS.	RS.	RS.
a. A. GODAVARI DELTA SYSTEM.	MAJOR WORKS—					
	1. *Godavari Western.*—Kalipatnam Project—Extension of irrigation of 1,050 acres—G.Os. No. 770, P.W., dated 6th May 1943, No. 1197, dated 29th June 1943 and No. 619, P.W., dated 1st March 1944.	28,770 T.S. 31,500 R.E. 40,817	32,054	1,900	200	1,700
	2. *Godavari Western.*—Excavating Kondapadu channel from Junction canal above Muddapuram lock—G.Os. No. 751, P.W., dated 5th May 1943 and No. 1882, P.W., dated 10th September 1943.	61,600	36,392	..	22,300	..
	3. *Godavari Western.*—Providing irrigation facilities to Kalavapudi lands—G.Os. No. 913, P.W., dated 31st May 1943 and No. 2018, P.W., dated 24th September 1943.	1,61,800	96,674	..	20,500	300
	4. *Godavari Western.*—Remodelling Kodamanchilli channel of Bank canal and its branches—G.O. No. 2524, P.W., dated 19th November 1943.	44,400 60,750	26,229	..	29,400	..
	5. *Godavari Central.*—Providing irrigation facilities for high level lands at the head of the Godavari Central delta–G.Os. No. 5418, P.W., dated 17th March 1943, No. 2358, P.W., dated 4th November 1943 and No. 1773, P.W., dated 21st June 1944.	8,88,300 R.E. 4,70,000 T.S. 6,66,200 R.E. 7,32,800 9,74,800	5,82,335	6,000	96,000	40,000
	6. *Godavari Central.*—New Wadapalem scheme—G.O. Ms. No. 407, P.W., dated 9th February 1944.	28,445 T.S. 31,000	13,194	..	200	..
	7. *Godavari Central.*—Extension of the Sakkinetipalli weir channel and of the Vasista Left Bank—G.O. No. 628, P.W., dated 1st March 1944.	94,800 T.S. 56,200	52,334	..	3,000	..
	8. *Godavari Central.*—Providing irrigation facilities to certain dry lands in Palivela, Avidi, and Ganti villages—G.O. No. 1596, P.W., dated 2nd June 1944.	24,910 31,800	20,634	..	2,600	..
	9. *Godavari Central.*—Providing irrigation facilities to certain high level lands below Ralli and Lolla locks in Komarajulanka, etc., villages of Razole taluk—G.O. No. 1865, P.W., dated 1st July 1944.	2,05,800 2,26,380 2,94,420	1,39,467	1,000	1,100	..
	10. *Godavari Central.*—Extension of irrigation under Nimmakayala Kothapalli Channel—G.O. No. 3098, P.W., dated 8th November 1944.	48,500	25,687	5,000	8,000	..
	11. *Godavari Central.*—Providing irrigation facilities to dry lands in Antervedi village by extending Addalapalem and Mamidithota Channels—G.O. No. 2070, P.W., dated 2nd August 1945.	1,93,000	91,617	40,000	40,000	11,000
	12. *Godavari Central.*—Extension of Battelanka No. 1 channel for irrigation of lands in Kesanapalle and Sankaraguptam villages—G.O. No. 2756, P.W., dated 25th October 1945.	77,050 1,09,376	15,436	69,000	45,000	15,000
	13. *Godavari Eastern.*—Providing irrigation facilities for certain dry lands in Yeditha village under Yeditha channel by improving Savaram Bodhi channel—G.O. No. 1629, P.W., dated 7th June 1944.	17,720	5,515	..	7,200	..

T.S. = Technical Sanction. R.E. = Revised Estimate.

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—*cont.*

a. WORKS—*cont.*

SUB-HEADS of appropriation.	Detailed account heads. [The provision for each major work and the lump-sum provision for minor works should be treated as specific appropriations.]	Figures by detailed account heads.				
		Amount of Estimate.	Accounts to end of 1946-7.	Budget Estimate, 1947-8.	Revised Estimate, 1947-8.	Budget Estimate, 1948-9.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		RS.	RS.	RS.	RS.	RS.
a. A. GODAVARI DELTA SYSTEM—*cont.*	MAJOR WORKS—*cont.*					
	14. *Godavari Western.*—Extension of Relangi channel for the irrigation of lands in Garagaparru, etc., villages—G.O. No. 1614, P.W., dated 10th August 1943.	9,886 T.S. 13,600	7,792	..	2,300	..
	15. *Godavari Western.*—Provision of irrigation facilities in Undarajavaram, etc., villages, Tanuku taluk—G.O. No. 493, P.W., dated 10th February 1946.	59,500	..	20,000	20,000	20,000
	16. *Godavari Central Division.*—Remodelling and providing R.C. Bridge over the vents of the Gannavaram aqueduct—G.O. No. 1138, P.W., dated 19th April 1946.	28,40,000	3,50,900	15,00,000	15,00,000	6,00,000
	17. *Godavari Central Division.*—Protecting the front and rear aprons of Gannavaram aqueduct with reinforced concrete sheet piles—G.O. No. 529, P.W., dated 24th January 1945.	7,67,000	2,58,650	..	11,000	..
	18. *Godavari Central Division*—Extension of Hospital channel—G.O. No. 2636, P.W., dated 8th October 1946.	3,84,000	7,868	.	50,000	18,000
	19. *Godavari Central Division*—Constructing a combined lock and regulator near Podalada at M. 34/4 of Gannavaram canal—G.O. No. 247, P.W., dated 28th January 1947.	1,25,000	..	..	66,000	71,000
	20. *Godavari Western.*—Provision of irrigation facilities to Kanur, etc., villages in West Godavari District.	6,29,800	..	..	..	2,93,700
	TOTAL—a. A. GODAVARI DELTA SYSTEM	..	..	16,42,900	19,24,800	10,70,700
a. B. KISTNA DELTA SYSTEM.	MAJOR WORKS—					
	1. *Kistna Eastern.*—Provision of irrigation facilities to Bandar Fort Block—G.O. No. 697, P.W., dated 20th March 1941.	16,230 R.E. 18,820	16,142	4,300	300	200
	2. *Kistna Eastern.*—Excavation of the new Arthamur channel in Bandar taluk—G.O. No. 696, P.W., dated 20th March 1941.	13,320 R.E. 14,900	18,266	200	200	..
	3. *Kistna Eastern.*—Providing irrigation facilities to the dry lands of Kankatam and Mukkollu villages.	10,600	..	..	..	10,600
	4. *Kistna Eastern.*—Provision of irrigation facilities to a block of about 1,500 acres in Mallavole, Rudravaram and Gudupalem villages, Bandar taluk, by extending the Kothawara Codu channel, branch of Mallavole main channel—G.O. Ms. No. 2169, dated 26th June 1942.	15,000 T.S. 16,250	15,003	5,000	5,000	16,000
	5. *Kistna Eastern.*—Providing irrigation facilities to Gurazada block—C.E.I.'s Memo. No. 2992/39-C.E.P./13th May 1940.	7,936 R.E. 22,420	21,956	800	800	1,000
	6. *Kistna Central.*—Extending the wharf at Bezwada below the girder bridge at M. 0/2 of the Kistna Eastern Delta main canal—G.O. No. 3231, dated 8th September 1942.	1,13,200	93,358	17,000	17,000	15,000
	7. *Kistna Western.*—Excavation of the Kistna High Level canal (inclusive of land acquisition staff)—G.O. No. 975 I., dated 16th April 1935.	5,82,563 6,07,043	6,33,816	33,900	25,500	24,500

T.S. = Technical Sanction. R.E. = Revised Estimate.

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—*cont.*

a. WORKS—*cont.*

SUB-HEADS of appropriation.	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.]	Figures by detailed account heads.				
		Amount of Estimate.	Accounts to end of 1946-7.	Budget Estimate, 1947-8.	Revised Estimate, 1947-8.	Budget Estimate, 1948-9.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
a. B. KISTNA DELTA SYSTEM—*cont.*	MAJOR WORKS—*cont.*	RS.	RS.	RS.	RS.	RS.
	8. *Kistna Western.*—Provision of irrigation facilities to Kanakavalli block (C.E.I.'s No. 3091/39-CEP., dated 10th May 1940).	8,400 R.E. 19,000	18,783	..	1,200	600
	9. *Kistna Eastern.*—Constructing a wharf, lascars' quarters and wharf office at Gudivada.	13,860	6,003	12,000	12,000	..
	10. Excavating a channel to Choragudi and Achampallam villages—G.O. No. 2571, P.W., dated 3rd October 1945.	* 1,24,640	..	59,000	46,000	14,000
	11. Provision of irrigation facilities to Dendulur and other villages in the Ellore taluk, West Godavari district—G.O. No. 1121, P.W., dated 17th April 1946.	3,94,000 R.E. 2,95,360	50,034	1,95,000	1,39,000	1,80,000
	12. *Kistna Eastern.*—Providing irrigation facilities to lands in Rudravaram and Chigurukota villages—G.O. No. 1857, P.W., dated 5th July 1946.	31,200	2,732	31,300	22,000	5,000
	13. *Kistna Eastern.*—Providing irrigation facilities to dry lands in Mandavalli and Chigurukota blocks.	† 32,000	..	100	100	16,000
	14. *Kistna Eastern.*—Provision of irrigation facilities to dry lands in Rachapatnam and Kallerpalam villages, Kistna district.	32,800	..	30,000	29,600	..
	15. *Kistna Eastern.*—Extension of Penukumada channel—G.O. No. 517, P.W., dated 27th February 1947.	13,510	..	..	100	6,700
	16. *G.M.F. Division.*—Provision of irrigation facilities to about 1,280 acres of dry lands in Bobbalapalem, Buddalapalem, etc., villages (Manginipudy scheme) G.O. No. 1252, P.W., dated 29th April 1947. (Government share 69,737)	‡ 89,650	..	..	69,700	..
	17. *Kistna Central and Guntur Divisions.*—Kistna East Bank Canal Scheme—G.O. No. 231 I., dated 27th January 1933.	28,49,320	27,92,709	..	1,700	..
	POST-WAR RECONSTRUCTION—					
	§18. *Kistna Central and Guntur Divisions.*—Provision of drainage facilities to Romperu drain in Guntur district—G.O. No. 1255, P.W., dated 29th April 1946.	92,00,000 T.S. 1,01,20,000	2,31,742	..	18,00,000	20,00,000
	TOTAL—a. B. KISTNA DELTA SYSTEM	..	..	3,88,600	21,70,200	22,89,600
a. C. PENNAR RIVER CANALS SYSTEM.	MAJOR WORKS—					
	1. *Nellore.*—Fitting up falling shutters over Sangam Anicut—G.O. No. 2896 I., dated 17th December 1936.	1,36,500	1,27,046	..	100	..
	TOTAL—a. C. PENNAR RIVER CANALS SYSTEM.	..	..	..	100	..

D.S. = Deviation Statement.

		RS.
* Government share	.. ..	1,01,330
Contribution	.. ..	23,310
	Total ..	1,24,640

† Half of this or Rs. 16,000 will be met by the ryots and the ryots' share will be collected and spent in 1947-8.
‡ Government share .. .. Rs. 69,737
§ Post-war Reconstruction—Transferred from "Unproductive."

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—*cont.*

a. WORKS—*cont.*

Sub-heads of appropriation. (1)	Detailed account heads. [The provision for each major work and the lump sum provision for minor works should be treated as specific appropriations.] (2)	Figures by detailed account heads. Amount of Estimate. (3)	Accounts to end of 1946-7. (4)	Budget Estimate, 1947-8. (5)	Revised Estimate, 1947-8. (6)	Budget Estimate, 1948-9. (7)
		RS.	RS.	RS.	RS.	RS.
a. D. CAUVERY DELTA SYSTEM.	Major Works—					
	*1. Providing irrigation facilities to an extent of 800 acres of dry lands in Kambayanatham, etc., villages, Papanasam, taluk—G.O. Ms. No. 884, P.W., dated 28th March 1946.	65,000	61	19,000	..	..
	3. *River Conservancy Division*—Construction of a bed regulator across the Cauvery at Jeddarpalayam.	..	6,910	50,000	80,000	3,00,000
	TOTAL—a. D. CAUVERY DELTA SYSTEM	..		69,000	80,000	3,00,000
a. E. CAUVERY-METTUR PROJECT.	HEADWORKS.					
	1. Special Tools and Plant—Maintenance and Repairs.	..		1,400	9,000	1,500
	2. *Deduct*—Receipts by sale of Special Tools and Plant in India.	..		— 5,000	— 85,400	— 5,000
	TOTAL—HEADWORKS ..	..		— 3,600	— 76,400	— 3,500
	CANALS.					
	1. Extension of irrigation beyond Narasinga Cauvery to an extent of 2,500 acres—G.O. No. 2100, P.W., dated 6th August 1945.	1,50,000 / 19,30,000	5,12,174	4,80,000	5,36,000	2,80,000
	2. Improvements to drains in Cauvery-Mettur Project areas.	6,02,700		2,00,000	75,000	2,00,000
	3. Providing irrigation facilities to an extent of 800 acres of dry lands in Kambayanatham, etc., villages, Papanasam taluk—G.O. Ms. No. 884, P.W., dated 28th March 1946.	65,000	24,957	..	19,000	6,000
	TOTAL—CANALS ..	..		6,80,000	6,30,000	4,86,000
	TOTAL—a. E. CAUVERY-METTUR PROJECT ..	..		6,76,400	5,53,600	4,82,500
GRAND TOTAL—68. a. IRRIGATION WORKS—PRODUCTIVE—VOTED ..		..		27,76,900	47,28,700	41,42,800

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—UNPRODUCTIVE—POST-WAR RECONSTRUCTION (OTHER THAN TUNGABHADRA PROJECT).

e. WORKS.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
e. A. KISTNA DELTA SYSTEM.	MAJOR WORKS—					
	†1. *Kistna Central and Guntur Divisions.*—Provision of drainage facilities to Romperu drain in Guntur district—G.O. No. 1255, P.W., dated 29th April 1946.	92,00,000 / T.S. 1,01,20,000	2,31,742	20,00,000	..	..
	TOTAL—e. A. KISTNA DELTA SYSTEM	..		20,00,000	..	..
e. C. RALLAPAD PROJECT.	MAJOR WORKS—					
	1. Rallapad Reservoir (II stage of the Rallapad and Reddicalva Project).	43,64,000	..	..	..	1,00,000

T.S. = Technical Sanction

* Shown under a. F. Cauvery Mettur Project.

† Transferred to "Productive"

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—PRODUCTIVE—*cont.*

b. Establishment.

Sub-heads of appropriation. (1)	Strength. 1947-8. (2)	Strength. 1948-9. (3)	Details. (4)	Figures by detailed account heads. Accounts, 1946-7. (5)	Budget Estimate, 1947-8. (6)	Revised Estimate, 1947-8. (7)	Budget Estimate, 1948-9. (8)
			A. Special Establishments —Productive.	RS.	RS.	RS.	RS.
			Canals and Headworks— (i) Public Works Establishment.				
			Voted—				
b. A. 1. Cauvery-Mettur Project.			Pay of Officers	8,731	7,000	21,000	23,000
			Pay of Establishments ..	16,262	15,200	47,600	48,000
			Dearness and Other Allowances.	11,673	12,900	39,500	41,700
			Contingencies	1,494	1,500	4,600	4,900
			Total—(i).—Voted ..	38,160	36,600	1,12,700	1,17,600
			(ii) Other Establishment.				
			Voted—				
			Pay of Officers	4,585	3,000	1,100	4,200
			Pay of Establishments ..	9,217	8,300	10,100	7,800
			Dearness and Other Allowances.	8,262	7,700	6,000	7,700
			Contingencies	3,339	1,000	600	600
			Total—(ii). Voted ..	25,403	20,000	17,800	20,300
			Total—b. A 1—Cauvery—Mettur Project—Voted.	63,563	56,600	1,30,500	1,37,900
b. A. 2. Romperu Drainage Project.			Voted –				
			Pay of Officers	..	..	17,600	27,200
			Pay of Establishments	..	..	28,900	58,800
			Dearness and cost of Living Allowances	..	..	22,500	30,900
			Contingencies	..		4,600	6,200
			Total—b. A. 2—Romperu Drainage Project—Voted.	..	..	73,600	1,23,100
b. A. 3. Other Works.			Total—b. A. 3—Voted ..	1,898	..	..	* 6,300
Grand Total—68. b. A. Establishment—Special Establishments—Productive—Voted				65,461	56,600	2,04,100	2,67,300

68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—UNPRODUCTIVE—POST-WAR RECONSTRUCTION—

f. Establishment.

Sub-heads of appropriation. (1)	Strength. 1947-8. (2)	Strength. 1948-9. (3)	Details. (4)	Accounts, 1946-7. (5)	Budget Estimate, 1947-8. (6)	Revised Estimate, 1947-8. (7)	Budget Estimate, 1948-9. (8)
			A. Special Establishments.	RS.	RS.	RS.	RS.
			I. Romperu Drainage Project.				
f. A. Special Establishments.			Voted—				
			Pay of Officers	7,175	29,000	..	..
			Pay of Establishments ..	898	41,500	..	..
			Dearness and Cost of Living Allowances	9,153	29,700	..	..
			Contingencies	2,179	4,700	..	..
			Total—f. A. Special Establishments—Romperu Drainage Project—Voted ..	19,405	1,04,900	..	..
			II. Tungabhadra Project.				
f. A. Special Establishments—Public Works Establishment.			Charged—				
			Pay of Officers	*47,551*	*45,300*	*21,600*	..
			Cost of Living Allowance ..	*5,031*	*6,200*	*2,600*	..
			Other Compensatory Allowance (including Travelling Allowance).	*12,436*	*13,500*	*5,000*	..
			Voted—				
			Pay of Officers	1,14,732	1,65,100	1,91,200	2,41,300
			Pay of Establishments	2,11,708	3,71,900	3,35,300	4,78,800
			Allowances (Including Travelling Allowance) ..	1,12,010	2,30,200	1,37,800	1,79,500
			Dearness and Cost of Living Allowances	97,292	1,72,500	1,37,700	1,83,800
			Contingencies	74,609	54,000	46,600	44,600
			Total—f. A.—Public Works Establishment. *Charged* ..	*65,018*	*65,000*	*29,200*	..
			Total—f. A.—Public Works Establishment. Voted ..	6,10,351	9,93,700	8,48,600	11,28,000

* Relates to special staff for provision of irrigation facilities to Kanur, etc., villages in West Godavari District.

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68.—CONSTRUCTION OF IRRIGATION, NAVIGATION, EMBANKMENT AND DRAINAGE WORKS—IRRIGATION WORKS—UNPRODUCTIVE—POSTWAR RECONSTRUCTION—

f. ESTABLISHMENT—*cont.*

Sub-heads of appropriation.	Strength. 1947-8.	Strength. 1948-9.	Details.	Figures by detailed account heads. Accounts, 1946-7.	Budget Estimate, 1947-8.	Revised Estimate, 1947-8.	Budget Estimate, 1948-9.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			A. SPECIAL ESTABLISHMENTS —*cont.*	RS.	RS.	RS.	RS.
			II. TUNGABHADRA PROJECT—*cont.*				
f. A. SPECIAL ESTABLISHMENTS—OTHER ESTABLISHMENT.			CHARGED—				
			PAY OF OFFICERS	..	*16,000*	*8,500*	..
			COST OF LIVING ALLOWANCE ..	..	*3,000*	*1,500*	..
			OTHER COMPENSATORY ALLOWANCE (including Travelling Allowance)	..	*5,800*	*1,700*	..
			VOTED—				
			PAY OF OFFICERS	..	6,700	10,000	18,900
			PAY OF ESTABLISHMENT	..	20,800	5,400	6,700
			DEARNESS AND COST OF LIVING ALLOWANCES	..	14,300	3,600	4,600
			OTHER COMPENSATORY ALLOWANCE (including Travelling allowance) ..	..	13,800	2,900	4,500
			CONTINGENCIES	..	77,100	2,500	2,000
			TOTAL f. A.—OTHER ESTABLISHMENT. *Charged* ..	..	*24,800*	*11,700*	..
			TOTAL f. A.—OTHER ESTABLISHMENT. VOTED ..	..	1,32,700	24,400	36,700
			TOTAL—f. A. SPECIAL ESTABLISHMENTS—II. TUNGABHADRA PROJECT ..	6,75,369	12,16,200	9,13,900	11,64,700
			Charged ..	*65,018*	*89,800*	*40,900*	..
			VOTED ..	6,10,351	11,26,400	8,73,000	11,64,700
			III. LOWER BHAVANI PROJECT.				
f. A. SPECIAL ESTABLISHMENTS.			VOTED—				
			PAY OF OFFICERS	..	..	3,500	300
			PAY OF ESTABLISHMENT	..	..	9,000	600
			OTHER CHARGES	..	..	9,300	700
			TOTAL—f. A. SPECIAL ESTABLISHMENTS—LOWER BHAVANI PROJECT—VOTED	..	..	21,800	1,600
GRAND TOTAL—68. f. A ESTABLISHMENT—SPECIAL ESTABLISHMENTS—UNPRODUCTIVE—POST-WAR RECONSTRUCTION				6,94,774	13,21,100	9,35,700	11,66,300
			Charged .	*65,018*	*89,800*	*40,900*	..
			VOTED ..	6,29,756	12,31,300	8,94,800	11,66,300
			h. TOOLS AND PLANT.				
h. A. NEW SUPPLIES.			TOTAL—h. A.—VOTED ..	..	46,500	42,700	68,800
h. B. REPAIRS AND CARRIAGE.			TOTAL—h. B.—VOTED ..	..	11,700	7,200	8,500
GRAND TOTAL—68. h. TOOLS AND PLANT—POST-WAR RECONSTRUCTION—TUNGABHADRA PROJECT—VOTED ..				76,712	58,200	49,900	77,300

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